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DCA CIRCULAR
310-130-1



DEFENSE COMMUNICATIONS AGENCY

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SUBMISSION OF TELECOMMUNICATIONS SERVICE REQUESTS

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JANUARY 1990

*THIS CIRCULAR CANCELS DCAC 310-130-1, 14 FEBRUARY 1986

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DEFENSE COMMUNICATIONS AGENCY
WASHINGTON, D.C. 20305-2000

DCA CIRCULAR 310-130-1*

2 January 1990

COMMUNICATIONS REQUIREMENTS

Submission of Telecommunications Service Requests

1. Purpose. This Circular prescribes instructions for the preparation and submission of Telecommunications Service Requests (TSR's) applicable to requirements for Defense Communications System (DCS) service, and for non-DCS service acquired by the Defense Commercial Communications Office (DECCO) and DECCO activities for DoD and other Government departments, offices, and agencies.

2. Applicability. This Circular applies to all DoD and non-DoD departments, agencies, commands, and offices having authorized requirements for DCS services or for non-DCS services that are acquired by DECCO or DECCO activities.

3. Authority. This Circular implements NCS Circular 130-1, Procedures for Processing NCS Routine Point-to-Point Circuit Requirements, 7 July 1967, and NCS Circular 130-2, Interim Procedures for Processing NCS Emergency Point-to-Point Circuit Requirements, 10 February 1969.

4. References.

a. DCA Circular 350-135-1, Defense Commercial Communications Acquisition Procedures, 17 May 1984.

b. DCA Circular 310-65-1, Circuit and Trunk File Data Elements and Codes Manual of the Defense Communications System (DCS), 21 April 1987.

c. DCA Circular 310-50-1, Use of DCS Facilities by Non-DoD Agencies, 13 September 1966, as amended.

d. NCS Circular 55-1, Processing Request for Temporary Adjustment of NCS Circuit Restoration Priority Assignment, 8 July 1970.

e. JCS Memorandum of Policy No. 151, AUTOVON and Automatic Secure Voice Communications Terminal Management, 28 January 1985.

f. DoD Directive 5105.19, Defense Communications Agency (DCA), 12 December 1988.

*This Circular cancels DCAC 310-130-1, 14 February 1986. (For summary of significant changes, see signature page.)

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g. DCA Circular 300-175-9, DCS Operating-Maintenance Electrical Performance Standards, 29 August 1986.

h. DoD Directive C-4605-2, Restoration Priorities for Military Communications Channels (U), 17 October 1968, as amended, or ACP 121, U.S. Supp. 1, Communications Instructions--General, June 1981.

i. JCS PUB 2, Unified Action Armed Forces, October 1974.

j. DoD 5220.22-R, Industrial Security Regulation, February 1984.

k. DCA OPLAN 1-84, Worldwide AUTODIN Restoral Plan, October 1984.

l. JCS Memorandum of Policy No. 165, AUTODIN and Associated Message Processing Systems, 27 July 1987.

m. DCA Circular 310-225-1, DSN, Phase 1, User Services Guide, March 1986.

n. JCS Memorandum of Policy No. 178, Military Satellite Communications System, 1 May 1978.

o. DCA-Europe Circular 310-140-2, Connection Approval Procedures, 1 July 1987.

p. NCS Memorandum 1-68, National Communications System (NCS) Circuit Restoration Priority System, 18 July 1968.

q. DCA Circular 310-50-6, Defense Communications System Orderwires, 13 November 1980.

r. NCS Instruction 55-3, Categorization of Multichannel Package Systems by NCS Restoration Priority, 10 June 1977.

s. DCA Circular 310-70-1, DCS Systems Control, Vol II, Operational Procedures TCF/PTF/MTC's, 12 August 1986.


5. Scope. The methods and procedures contained in this Circular pertain to telecommunications service that is required within 360 days (for leased service) and 180 days (for DCS service) from submission date of the TSR.

6. Operation Considerations. DoD DCS circuits requested under the provisions of this Circular will be operated and maintained in accordance with the provisions of the references listed in paragraph 4.

7. Circular Maintenance. Each DCA area is authorized to publish supplemental instructions to this Circular pertaining to its assigned DCS area with prior approval of Headquarters, DCA. A copy of proposed supplemental instructions will be submitted for approval prior to publication. Such supplements and any material submitted for inclusion in this Circular will be prepared in a format identical with that used in this Circular. These submissions will be addressed to the Director, Defense Communications Agency, ATTN: DIO/B240, Washington, DC 20305-2000.

8. Additional Copies and Extracts. Recipients are authorized to reproduce this Circular in whole or in part.

FOR THE DIRECTOR:


 EDWARD J. HENDERSON, JR.
 Colonel, USAF
 Chief of Staff



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SUMMARY OF SIGNIFICANT CHANGES. This revision is issued to:

- a. Incorporate all previous interim message changes (1 1 through 10-1).
- b. Incorporate new information previously disseminated by errata sheets.
- c. Incorporate all additions, deletions, and modifications to TSR content and associated policies and procedures agreed to during a DCA hosted TSR Working Group Meeting, 22 February through 3 March 1989.

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GLOSSARY OF TERMS

The most common terms and definitions used in conjunction with processing telecommunication service requests are listed below. Additional terms and definitions are contained in FED-STD-1037, July 1980.

Access Line. A circuit connecting a switched network subscriber directly to a switching center, or to a node in packet switching systems.

Alternate Use. An arrangement which permits the use of a circuit for different types of transmissions, such as voice, teletypewriter, facsimile, magnetic tape, etc. Normally, only one type of operation is possible at any one time (alternate use), although simultaneous use is possible in some instances. The use of a circuit exclusively for voice communications, even though both secure and nonsecure voice conversations are passed over the circuit, is not considered alternate use.

Alternate Voice Data (AVD) or Alternate Voice Record (AVR). Interchangeable terms which describe the alternate use of circuits when one use is for voice (nonrecord) conversations and the other use is for record communications. Transfer arrangements and conditioning equipment are normally required for alternate use. When a circuit is used exclusively for voice, even though the voice conversations may appear as data on the transmission path between the end terminals, the circuit is not considered as an alternate voice data or alternate voice record circuit.

Approval. The unified or specified command concurrence in the use of the communication resources in its area of responsibility to fulfill the requirement of another unified or specified command, military department, or DoD agency.

AUTODIN Hybrid. An AUTODIN connection at the Technical Control Facility. The circuit does not go through the MSU.

AUTODIN Message Switch. A combination of equipment which provides a store-and-forward capability, with a message being the smallest autonomous unit for routing. The message switch uses a predetermined routing method, and message accountability is on a message-by-message basis.

AUTODIN Query Response Service. A data service that permits the exchange of question and answer between AUTODIN subscribers, with no attempt to sustain the continuity of the information transfer process.

Automated Message Processing Equipment (AMPE). Equipment used to perform in-station communications processing and distribution functions.

AUTOVON. The DoD Worldwide Automatic Voice Network. AUTOVON is the principal long-haul, nonsecure voice communications network within the DCS. AUTOVON is one of the major subsystems of DSN Phase I.

Callup Authority. User, DCS operating activity, or person (s) designated in the Telecommunications Service Request (TSR) as authorized to order activation of a contingency or oncall circuit.

Circuit. A means of one- or two-way communication between two points, comprising associated "transmit" and/or "receive" channels.

a. Allocated Circuit. A circuit designated for use (whether common user or dedicated).

b. Dedicated Circuit. A circuit designated for the specific use of one or more users.

c. Duplex Circuit. A circuit which permits independent communication transmission in both directions simultaneously (often called a full-duplex circuit).

Data Transmission Network (DTN). A DCS worldwide digital network structured to provide full-duplex, point-to-point, and multipoint digital data transmission service for variety of applications, initially at user data transmission rates ranging from 35 b/s to 56 Kb/s and eventually at even higher bit rates.

DCA Action Agency. The DCA element(s) that will act upon the TSOs request for service. For example, the DCA action agency for an intra-area circuit requirement within DCS area 3, 4, or 5, is DCA-EUR.

DCA Field Activities. Those elements of the DCA that are under the command of the Director, DCA, but are organizationally separate from the DCA headquarters.

DCS Plan. A master plan for the evolutionary development and improvement of the DCS in fulfilling communications requirements of the DoD and other Government agencies as authorized and directed. The DCS Plan will cover the period from the budget year to 10 years in the future and will be in consonance with the Joint Strategic Planning System.

Defense Commercial Telecommunications Network (DCTN). A leased communications system that will provide economic and reliable routine switched voice service, dedicated wide band data service, and video teleconferencing capabilities within the Western Hemisphere for the Department of Defense (DoD), the General Service Administration (GSA), and other authorized users. Circuits installed between the DCTN end office and the DCTN node are configured as one bundled (T1 or ADPCM in most cases) trunk group. The quantities of circuits within this bundle are described differently for billing purposes. Billing is based on erlangs outbound, carried load. There are two different definitions applied to these circuits as follows:

a. With Internodal Allocation: The quantity of erlangs of CONUS destined, routine traffic (carried load) offered by the DCTN end-office to the DCTN node that will be routed to locations served by the DCTN.

b. Without Internodal Allocation: The quantity of erlangs of CONUS destined, routine traffic (carried load) offered by the DCTN end-office to the DCTN node that will be routed to locations served by the DSN/AUTOVON. This traffic is switched to the AUTOVON by the #5 ESS located at the DCTN node.

Defense Communications System (DCS). The DCS is a composite of DoD-owned and leased telecommunications subsystems and networks comprised of facilities, personnel, and material under the management control and operational direction of the DCA. It provides the long-haul, point-to-point, and switched network telecommunications needed to satisfy the requirements of Department of Defense and certain other Government Agencies, including those required to interconnect the NCA, the JCS, and the Unified and Specified Commanders with the general purpose networks.

a. The DCS includes fixed, transportable, and mobile facilities. It consists of:

(1) Switching and/or relay facilities to include associated software of the general purpose (common user) networks, such as Automatic Voice Network (AUTOVON), Defense Switched Network (DSN), Automatic Digital Network (AUTODIN), Defense Data Network (DDN), Automatic Secure Voice Communications Network (AUTOSEVOCOM), and Secure Voice System (SVS).

(2) Transmission media and/or circuits that provide user and/or subscriber connection into the DCS networks, or which interconnect the switching and/or relay facilities and/or the user and/or subscriber terminals in use by the DCS. This includes the assets of the Defense Satellite Communications System, except those portions that are specifically excluded from the DCS.

b. Although the DCA specifies the interconnection and interface standards when operated with DCS networks, the DCS does not include the following:

(1) Mobile and/or transportable col. facilities and assets organic to Army, Navy, Air Force, and Fleet h. ; unless specifically designated as components of the DCS

(2) Ship and/or ship, ship and/or shore, air and/or air, air and/or ground, and other tactical telecommunications as defined in DoD Directive 7750.5.

(3) Post, camp, base, and station user and/or subscriber facilities and terminals.

(4) On-site telecommunications facilities associated with or integral to weapons systems and to missile launch complexes, including those required for countdown, command, control, weapons destruct, and for range safety.

(5) Consoles and display devices integral to the Unified and Specified Command Centers, their DoD Component Headquarters, and the Military Services' operations centers.

Defense Data Network (DDN). A highly survivable, dependable, and cost-effective common user data communications network that will satisfy all current requirements and is expandable and adaptable to meet all projected requirements for the 1990's and is based on proven technology from existing operational networks.

Defense Data Network (DDN) User Requirements Data Base (URDB). A list of all currently operational and planned DoD ADP systems and data networks that require long-haul and area data communications support. The URDB provides a general description of the system and its concept of technical operation.

Defense Switched Network (DSN). A telecommunications system which provides end-to-end common user and dedicated telephone service for the Department of Defense. DSN is to provide rapid, low cost, long distant, voice, data, TV, and Secure Voice Communications for both Operational Support (OS) lower precedence users and Command and Control (C2) higher precedence users.

Detailed Engineering. That engineering necessary to prepare complete equipment and software technical design or performance specifications which provide a basis for procurement, design/development, and test and acceptance. It also includes that engineering performed to accomplish site surveys and to install and check out subsystem elements or components.

Developmental Inquiry. An inquiry issued by DECCO, as a result of a TSR or a TSO processed by a DCA circuit allocations and engineering activity, to commercial sources for quotation which will be used for information or planning purposes.

Dry Pair. A pair of wires with no voltage or current thereon.

Emergency NSEP Telecommunications Service Requirement. (NOTE. The term "Emergency NSEP" will be used for emergency service leased within the United States, its territories, and possessions. The term "Emergency" is to be used only for emergency service in foreign areas not subject to NSEP procedures. See supplement 11 for an explanation of Emergency NSEP TSR procedures for emergency telecommunication requirements leased within the United States (i.e., 50 States, U.S. territories, and U.S. possessions)).

a. A telecommunications service directly supporting Federal Government activity responding to a Presidentially declared disaster or emergency as defined in the Disaster Relief Act (42 U.S. Code 5122).

b. A telecommunications service directly resulting from any of the following circumstances:

(1) State of crisis declared by the National Command Authorities.

(2) Efforts to protect endangered U.S. personnel or property.

(3) Enemy action, civil disturbance, natural disaster, or any other unpredictable occurrence that has damaged facilities whose uninterrupted operation is essential to national security emergency preparedness or the management of other ongoing crisis.

(4) Certification by the head or director of a Federal agency, commander of a unified/specified command, chief of a military service, or commander of a major military command; e.g., TAC, COMSECONDFLT, etc. (CINCEUR ONLY IN THE EUROPEAN AREA), that a communications requirement is so critical to protection of life and property or to the national security that it must be processed immediately.

c. At all levels, emergency requirements will be processed as first priority, on a first-come-first-served basis.

d. Emergency requirements will contain authorization for overtime and expediting charges for leased service.

End-to-End. The circuit from one user equipment or other terminal point on a private line service to the user(s) equipment or other terminal point(s) on the same private line service, as established by the requirement described in the Telecommunications Service Request (TSR), Telecommunications Service Order (TSO), Communications Service Authorization (CSA), Service Inquiry, or Order.

Essential NSEP Telecommunication Service Requirements. When not otherwise qualifying as Emergency NSEP, Essential NSEP telecommunication service requirements, leased within the United States (i.e., 50 States, U.S. territories, and U.S. possessions), include:

a. Restoration Priority Telecommunication Services. Telecommunication services assigned an NCS/FCC approved restoration priority (RP) 1-4 or which are eligible for assignment of an NCS/FCC restoration priority (RP) 1-4.

b. Exercise Telecommunication Services. The following exercise telecommunication services may be designated NSEP:

(1) The minimum quantity of services essential to permit safe conduct of an exercise and/or achievement of primary exercise objectives. Only those services in support of exercises which involve the movement of personnel, weapons systems, munitions, or other critical materials or the control of aircraft are included.

(2) Short-notice exercise services resulting from changes in exercise locations or scenarios which could not reasonably have been foreseen, and without which the exercise cannot be conducted safely or effectively.

c. Special Purpose Telecommunication Services. The following special purpose telecommunication services may be designated NSEP:

(1) Telecommunication services in support of activities conducted pursuant to the Foreign Intelligence Surveillance Act.

(2) Telecommunication services in support of the President or Vice President.

(3) Telecommunication services in direct support of the conduct of foreign affairs (i.e., visiting foreign heads of state or similar dignitaries, permanent diplomatic and consular missions in the U.S., and significant international conferences, meetings, or events held in the U.S.) as certified by the Secretary of State.

European Telephone System (ETS). A processor-controlled telephone switching system, utilizing Pulse Code Modulation (PCM) and Time Division Multiplexing (TDM) techniques to replace a number of outdated O&M telephone systems in the European theater.

Federal Agency. Any executive agency or any independent establishment in the legislative or judicial branch of the Government (except the Senate, the House of Representatives, the Architect of the Capitol, and any activities under the Architect's direction).

Foreign Exchange. Service from a central office other than the one from which the customer would normally be served.

Head or Director of a Federal Agency. The Secretary, Attorney General, Administrator, Governor, Chairperson, or other chief official of an executive agency, unless otherwise indicated, including any deputy or assistant chief official of an executive agency and, for the Department of Defense, the Under Secretary and any Assistant Secretary of the Departments of the Army, Navy, and Air Force and the Director and Deputy Director of Defense agencies.

Hunt. To search over a group of access lines, trunks, or connections to the next stage of a switch to find an idle line, trunk, or connection.

Implementation/Installation Plan (I/IP). The document which provides such detail as is necessary to serve as a guide for the implementation phase. It specifies the efforts required by participating organizations, establishes detailed schedules, and includes or identifies, as appropriate, supporting plans and documents containing technical and performance specifications, detailed work statements, applicable standards, advanced procurement plans, logistics, training, installation, and test plans, and supporting facility requirements. The I/IP responds to and supports the MEP.

In-Hunt. A term used in telecommunication service request processing to specify if hunt capability is required or desired. (See Hunt.)

Inter-DCA Area Service. Telecommunications service provided to users located in more than one DCA area of responsibility. For example, if one circuit user terminal is located in DCS area 1 and one or more of the other user terminals are located in DCS area 8, this would be an inter-DCA area circuit, and the responsible agency would be DCAOC AED (except for special user requirements).

Intra-DCA Area Service. Telecommunications service provided users when all user terminals of the circuit are located within one DCA area of responsibility. For example, a circuit originating in Hawaii (DCS area 8), transiting the Stockton tech control (DCS area 1) and terminating at Adak (DCS area 8), would be considered intra-DCA and would be the responsibility of DCA PAC.

Management Control. The review, evaluation, coordination, and guidance of management actions necessary to fulfill the responsibilities outlined in this Circular.

Management Engineering Plan (MEP). The control document to effect program implementation by all participating organizations. It is a compilation of documents which places in context the plans, schedules, costs, and scope of all work and resources to be provided by each participating organization. It identifies or specifies subsystem configuration, performance, and interface requirements; technical and operational standards and specifications; type of equipment to be used; work statements required; logistic support planning, integrated testing, and training; management approach to implementation; assignment of responsibility for conduct of all effort; a schedule for task accomplishment; and progress reports required.

Manual Out (MO). Routine and precedence traffic handled by the attendant. To preempt a call, the attendant must manually interrupt and request a disconnect or any connection established through that position. Originating precedence is determined by class of service.

MEECN Technical Support. The engineering and support effort requisite to insure that the functional requirements and performance objectives of the Joint Chiefs of Staff are met. It includes system analysis, development and supervision of technical plans and tests, technical interface recommendations, and recommendations for development efforts to meet system objectives as assigned.

Military Satellite Communications (MILSATCOM) Systems As defined in DoD Directive 5105.44.

Minimum Essential Emergency Communications Network (MEECN). For purpose of this Circular, MEECN is defined as a composite of designated WWMCCS communications assets that, netted together, provide assurance that decisions of the NCA can be delivered from the NCA to U.S. Forces during all periods of stress.

Narrowband Signal. Any analog signal or analog representation of a digital signal whose essential spectral content is limited to that which can be contained within a voice channel of nominal 4 kHz bandwidth.

National Coordinating Center. A joint telecommunications industry-Federal Government operation established to assist in the initiation, coordination, restoration, and reconstitution of National Security Emergency Preparedness (NSEP) telecommunications services or facilities.

National Military Command System (NMCS). As defined in DoD Directive 5100.30.

Network-Inward Dialing (NID). The phrase associated with an AUTOVON/DSN service permitting a PABX user to receive AUTOVON/DSN calls without the assistance of the PABX attendant. The four specific NID features are:

- a. Immediate Diversion Network-Inward-Dialing (INID). All precedence (other than routine) AUTOVON/DSN inward traffic will be routed to the attendant immediately. Routine traffic will be in-dialed to PBX extensions.
- b. Network-Inward-Dialing, Precedence Diversion (NIDPD). Permits routine precedence calls destined for PABX extensions to be directly in-dialed without the assistance of the PABX attendant, while priority and above precedence calls are immediately routed to the attendant for attention. This service is synonymous with Immediate Diversion Network-Inward-Dialing (INID).
- c. Precedence Network-Inward-Dialing (PNID). An AUTOVON/DSN service which permits precedence inward-dialed calls (other than routine) to be routed directly to a PBX user. Precedence inward calls are routed to the PBX attendant for attention if the extension is busy or does not answer.
- d. Routine Network-Inward-Dialing (RNID). Permits all calls destined for PABX extensions to be directly in-dialed without the assistance of the PABX attendant. If the called extension is busy, all calls, regardless of precedence, receive a busy signal.

Network-Inward-Dialing, Manual Outward (NIDMO). An AUTOVON/DSN network dial service combining the capabilities of RNID, PNID, or INID with manual outward operation. This service is normally associated with access lines that have a calling area capability which exceeds the number plan area, or that have the capability of originating priority and above precedence calls.

Network-Inward-Outward-Dialing (NIOD). An AUTOVON/DSN service which permits a PBX user to receive calls without the assistance of the PBX attendant, and permits origination of calls by the attendant.

Network-Outward-Dialing (NOD). Permits a PABX user to originate routine precedence calls within his number plan area without the assistance of the PABX attendant. Priority and above precedence calls and calls outside the number plan area can be originated only by the PABX attendant.

NMCS Technical Support. The engineering and ADP support efforts requisite to insure that NMCS functional requirements and performance objectives are met. Also see DoD Directive S-5100.44.

NSEP Telecommunications. Telecommunication services which are used to maintain a state of readiness or to respond to and manage any event or crisis (local, national or international), which causes or could cause injury or harm to the population, damage to or loss of property, or degrades or threatens the national security emergency preparedness posture of the United States.

NSEP Telecommunication Procedures. The four-step process which will expedite the provisioning or restoration of commercially provided NSEP telecommunication service(s) and supply the rationale and justification for providing the requested service(s) before others. (See supplement 11 for detailed NSEP TSR procedures which apply only to services leased within the United States (i.e., 50 States, U.S. territories, and U.S. possessions)).

a. Identification is the first step in NSEP telecommunications procedures. It is the determination of whether the telecommunications service requirement qualifies for designation as NSEP.

b. Invocation is the second step in NSEP telecommunications procedures. It is the declaration by a properly authorized Federal Government official that NSEP treatment is necessary to satisfy the telecommunications service requirement.

c. Verification is the third step in NSEP telecommunications procedures. It is the means by which either industry or the Government can obtain confirmation that the telecommunications service requirement was properly identified as NSEP or NSEP telecommunications procedures were properly invoked or both.

d. Implementation is the fourth step in NSEP telecommunications procedures. It involves the provisioning or restoration of NSEP telecommunications service(s) based upon the identification, invocation, and verification steps as described above.

Oahu Telephone System (OTS)-DSN. OTS is a digital network designed to provide administrative and DSN (voice and data) telephone service to all DoD users and to other authorized users on the island of Oahu.

Operating Elements of the DCS. Organizations and units of DoD components that operate and maintain DCS facilities.

Operational Direction. The authoritative direction necessary to insure effective operation of the DCS. It includes authority to direct the operating elements of the DCS, assign tasks to those elements, and supervise the execution of those tasks; allocate and reallocate DCS facilities to accomplish the DCA mission: develop technical standards, practices, methods, and procedures for the performance and operation of the DCA.

PDN Dedicated Access Facility. A configuration of dedicated circuitry and interface devices used by PDN carriers to connect host computers and certain remote terminals to network nodes. Such facilities for host computers are

sized to provide a sufficient number of ports and adequate line speed (bits per second) to accommodate peak period demand by a number of remote terminals simultaneously served by the host computer.

PDN Dial Access. Most PDN users are typically low-speed asynchronous data terminals that connect to the network via dial-up techniques. PDN's are often equipped with three types of dial-up service: public ports that can be accessed by either local, long distance toll, or foreign exchange telephone calls; private ports that can be leased for exclusive dial access by one or more users; incoming Wide Area Telephone Service (WATS) that connects public users who are remote from any network nodes. PDN carriers measure user connect time and traffic flow through these dial ports to bill the host computer for network usage by its community of interest.

PDN Electronic Mail Service. Some PDN carriers offer electronic mail as a separate service on their network. This type of service does not require connection of a host computer as the carrier provides the computer hardware and software necessary for user terminals to exchange electronic mail. Electronic mail accounts are established for an electronic mail sponsor who serves as a focal point for contract administration and bill certification for a community of electronic mail users.

PDN Network Service. Refers to that category of Public Data Network (PDN) service where a PDN carrier provides connectivity between a specific host computer and its community of user terminals. Typically, network service involves one contract, one bill, and one set of information management products for the host computer and its community of interest. The host computer facility authorizes, accounts for, and controls users accessing it via the PDN. Network service is one of three major PDN service categories. (See PDN Overseas Access and PDN Electronic Mail Service.)

PDN Overseas Access. Terminals in overseas locations that need to connect with host computers in CONUS can do so by subscribing to PDN service offered by Foreign Communications Carriers and overseas agents of CONUS PDN carriers. Usually available only on a low-speed, dial-up basis, this service is leased and paid for in the foreign country. Overseas users dial their foreign carrier's nearest node where their data are packetized and forwarded via international record carrier facilities to the CONUS gateway of the appropriate CONUS carrier.

PDN Performance Specification (PS). To support competitive contracting for network service, the sponsoring activity (host computer manager, command, project manager, etc.) submits a PS that sets forth network technical requirements. In addition to describing host computer facilities, a projection of user terminals, numbers, types, locations, line speeds and traffic loads must be provided to support development of a Request for Proposal. This documentation must be submitted to DECCO at the time a TSR is forwarded to the appropriate DCA Allocation and Engineering Activity. DECCO should be contacted for assistance in developing this specification.

Precedence Access Threshold (PAT). A software function residing in a DSN switch which limits the number of simultaneous calls that can enter the DSN at various precedence levels and calling area combinations.

Precedence--Incoming (PIN). All precedence AUTOVON inward traffic to subscriber, indicated by precedence ringing. Routine is indicated by routine ringing.

Precedence Manual--Incoming (PMI). All inward AUTOVON traffic routed to operator; flashing line lamp for precedence, steady lamp for routine.

Pre-Positioned Contingency Requirements. Unified and specified commands, major commands, DoD, and other governmental agencies can pre-position telecommunications requirements with commercial carriers through DECCO in support of JCS-sponsored operational contingency plans. Although they do not reserve or engineer facilities upon receipt of these requirements, carriers maintain them for rapid activation by designated authorities (CINC representatives, major command officers, DECCO, etc.). Pre-positioning provides the carrier with exact circuit parameters well in advance of activation. Pre-positioned contingency requirements will not be activated for exercise purposes (see chapter 2, paragraph 2f of this Circular).

Program Designator Code (PDC). A four-to-six character alpha-numeric code used to identify leased services by system, network, primary user, or other category. It is specifically required to identify the funding activity responsible for reimbursing DECCO for the cost of leased service, backbone, and overhead charges, as appropriate.

Project. An undertaking to analyze, plan, improve, modify, expand, or otherwise change a portion of a system. A project may pertain to elements of a subsystem, an entire subsystem, or a number of related subsystems or elements thereof.

Public Data Network (PDN). A public transmission and switching (typically data packet switching) service that supports connection of host computers with remote terminals. Host computers are connected to carrier network nodes via dedicated access facilities (circuits/interface devices) while remote user terminals typically connect to dial-up ports (public or private) at the carrier's nearest node. High-volume remote terminals can be connected to the network by dedicated access lines. Often referred to as value added networks, these services are offered by a variety of domestic and foreign carriers and are interconnected by international record carriers for overseas service.

Request for Service (RFS). The document, used to initially request telecommunications service, which is submitted by the requester of the service to his designated TCO.

Requirement--DCS. A requirement that meets one of the following criteria:

a. Long-haul (services between post, camp, or station) DoD telecommunication services (leased or Government-owned), except as excluded under non-DCS requirement.

b. All DCA and DCA field activity telecommunications requirements, including user terminal equipment.

c. All telecommunication requirements that use DCS transmission facilities or DCS switched or relay facilities.

d. AUTOSEVOCOM leased and Government-owned circuits and user terminal equipment.

Requirement--Non-DCS. A requirement that meets one of the following criteria:

a. The requested service concerns a facility or service in the following categories:

(1) Mobile/transportable communications facilities and assets organic to Army, Navy, Air Force, and Fleet Marine forces, unless specifically designated as components of the DCS.

(2) Ship/ship, ship/shore/ship, air/air, ground/air/ground, and other tactical telecommunications as defined in DoD Directive 7750.5.

(3) Post, camp, base, and station user and/or subscriber facilities and terminals.

(4) On-site telecommunications facilities associated with or integral to weapon systems and to missile launch complexes, including those required for countdown, command, control, weapons destruct, and range safety.

(5) Consoles and display devices integral to the Unified and Specified Command Centers, their DoD Component Headquarters, and the Military Services' Operations Centers.

b. The requirement is specifically designated as non-DCS through mutual agreement between DCA and the requester.

c. DECCO-leased services for non-DoD agencies that do not interface with DCS transmission, switching, or relay facilities.

Reroute. To substitute a channel or channels to restore a circuit when the original channel or channels fail. A reroute may be pre-engineered.

Routine Manual--Incoming (RMI). All inward AUTOVON/DSN traffic routed to operator (steady line lamp).

Routing Terms.

a. Avoidance Routing. The routing of a circuit to avoid certain type media, critical junctions, known target areas, and high-density areas.

b. Diverse Routing. The routing of two or more circuits over different physical routes. Routing will be such that at no time will the circuit transit the same building, terminal equipment, or communications links or use common power facilities except at the customer stations.

Split Billing. An arrangement, established by tariff or other agreement, whereby each provider of a segment of a total service bills DECCO directly for its respective portion of the total service. Consolidated provisioning and maintenance of the total service remain with a single carrier.

Split Homing. The connection of a subscriber to more than one AUTOVON/DSN switching center by use of separate access lines and more than one telephone number.

Subsystem. A functional component of a system which provides a specific capability.

Subsystem/Project Engineering. That initial engineering necessary to support the development of the S/PP and similar plans and, subsequent to S/PP approval, the additional engineering refinements needed to define explicitly subsystem configuration, performance, reliability, maintainability, and other values or thresholds applicable to each subsystem component. This additional engineering, which may be included either in the MEP or issued separately, prescribes specific technical guidance for preparation of equipment specifications, control specifications, and other engineering detail to be included in the I/IP.

Subsystem/Project Management. The continuing review, guidance, and approval, as appropriate, of actions taken in the development, processing, and implementation of approved subsystems/projects.

Subsystem/Project Plan (S/PP). A plan which supports the processing of telecommunications requirements. Normally it provides justification for the acquisition of a new subsystem, or modification of an existing subsystem, portions thereof, or a combination of related subsystems.

Systems Engineering. The application of recognized engineering skills, techniques, and principles to the development of system concepts, associated technical design, and performance criteria used in planning, engineering, and implementing a system.

Technical Sufficiency. A condition which exists when circuits are engineered, configured, installed, conditioned, tested, and maintained end-to-end in a manner that meets the communications requirements as described in the TSO, Service Inquiry, Order, or CSA.

Telecommunications Certification Office (TCO). The activity designated by a Federal department or agency to certify to DCA (as an operating agency of the National Communications System) that a specified telecommunications service or facility is a validated, coordinated, and approved requirement of the department or agency, and that the department or agency is prepared to pay mutually acceptable costs involved in the fulfillment of the requirement.

Telecommunications Service Order (TSO). The authorization from Headquarters, DCA, a DCA area, or DCA TMSO to start, change, or discontinue circuits or trunks and to effect administrative changes.

Telecommunications Service Request (TSR). A valid, approved, and funded telecommunications requirement prepared in accordance with the format in chapter 3 of this Circular and submitted to DCA or DCA activities for fulfillment. TSR's may not be issued except by specifically authorized TCOs.

Temporary Telecommunications Service. A telecommunications service that will not exceed 90 days and where the start and discontinue dates are both identified.

Urgent Operational Requirement (Foreign areas only). (NOTE. The term "Urgent" is to be used only for urgent telecommunication services in foreign areas not subject to NSEP procedures. See supplement 11 for an explanation of essential NSEP TSR procedures for essential telecommunication services leased within the United States (i.e.; 50 States, U.S. territories, and U.S. possessions).

a. Communications requirement that supports a need to meet an urgent operational requirement submitted with insufficient leadtime to allow normal processing and still provide service on the required date. Further, the lack of service by the required date would have one or more of the following consequences:

(1) Seriously degrade mission performance and operations in direct support of national security emergency preparedness.

(2) Seriously degrade or impair the execution of "real world" military plans or intelligence operations.

(3) Seriously degrade or impair the ability of the United States to maintain favorable foreign relations.

b. Poor planning is not a valid reason for requesting urgent action.

c. At all levels, urgent requirements will be processed before routine requirements on a first-come-first-served basis. Officially, tariffs do not recognize urgent requirements and normal leadtimes generally apply once an order is submitted to the carrier or vendor.

d. The following temporary exercise telecommunication service may be designated as an "Urgent Operational Requirement" (See chapter 2, par 2e, and chapter 4, par 3j):

(1) The minimum quantity of services essential to permit safe conduct of an exercise and/or achievement of primary exercise objectives. Only those services in support of exercises which involve the movement of personnel, weapons systems, munitions, or other critical materials or the control of aircraft are included.

(2) Short-notice exercise services resulting from changes in exercise locations or scenarios which could not reasonably have been foreseen, and without which the exercise cannot be conducted safely or effectively.

e. An urgent RFS or TSR must contain the following information or the requirement will be processed as routine:

(1) Justification in item 417 that meets the criteria stated above. In addition, certification by the commander or designated officer of the requester's major command of the urgency of the requirement to include the name, position, and telephone number of the certification authority. (Certification authority will not be delegated below major command directorate or equivalent level.)

(2) Authorization for overtime and expediting charges for leased services (if applicable).

(3) A statement in item 417 that the TCO has reviewed the requirement with the requesting activity and found it to be a valid urgency.

f. For urgent requirements which specify DCS routing, recommend that an alternate circuit be identified and submitted for preemption in case DCS resources are not available.

User. A user is any individual or organization, governmental or nongovernmental, military or civilian, who is authorized to use the facilities of the DCS or to obtain commercial communication services from DECCO. As pertains to the AUTOVON/DSN, a user is an individual, installation, or activity having access to AUTOVON/DSN either by dialing a designated access code or by placing a call through a local PLN or console.

User Loop. A circuit connecting a user to a PBX.

Variable Term Pricing. A pricing plan which offers the user the option of selecting fixed rates for equipment, for one or more optional payment periods. Rates are normally less for extended payment periods; i.e., higher rates for shorter term periods. The Government can be liable for additional charges if equipment is removed prior to the expiration of the period selected.

Waiver Number. Nine-character alphanumeric code that signifies data communications needs are not currently supported by DoD common user Defense Data Network (DDN) and approval has been given by OASD (C³I) to use a data service other than DDN service.

Wideband. That property of any communication facility, equipment, channel, or system in which the range of frequencies used for transmission is greater than 0.1 percent of the midband frequency. The term has many meanings depending upon application. At audio/telephone frequencies, a bandwidth exceeding 4 kHz can be considered wideband. At HF radio frequencies (3-30 MHz), a bandwidth larger than 3-30 kHz would be considered wideband. In communications security systems, any bandwidth exceeding that of a nominal 4 kHz telephone channel is considered wideband. That property of any circuit having a bandwidth wider than normal for the type of circuit, frequency of operation, and type of modulation carried. In commercial telephone usage, that property of a circuit having a bandwidth greater than 4 kHz. An imprecise designation of a signal that occupies a broad frequency spectrum. NOTE: This term is often used to distinguish it from a narrowband signal, where both terms are subjectively defined relative to the implied context.

Worldwide Military Command and Control System (WWMCCS). As defined in DoD Directive 5100.30.

CHAPTER 1. DCA ORGANIZATION AND TELECOMMUNICATIONS CERTIFICATION OFFICE RESPONSIBILITIES

1. General. This chapter presents the organization established by the DCA to allocate and engineer DCS circuits and facilities; the list of Telecommunications Certification Offices (TCO's) authorized to request DCS or non-DCS services; and the basic responsibilities of TCO's in working with DCA organizations to use the DCS most efficiently.

2. DCA Organization. The allocation and engineering of DCS circuits are accomplished by the DCA organizations named in the following listing, which also shows the DCS geographical areas (see chapter 1, figure 1) for which each organization is responsible:

Headquarters, DCA
Washington, DC

Special user circuit requirements

DCA, Telecommunications
Management and Services
Office (TMSO)
Scott AFB, Illinois

DCS areas 1, 2, 6, 9, and inter-DCS
area requirements

DCA, European Area (DCA-EUR)
Vaihingen, Germany

DCS areas 3, 4, and 5

DCA, Pacific Area (DCA-PAC)
Wheeler AFB, Hawaii

DCS areas 7 and 8

a. Details pertaining to the type of DCA requirements for which Headquarters, DCA and the DCA areas are responsible are contained in chapter 4 of this Circular.

b. The Defense Commercial Communications Office (DECCO), a DCA field activity at Scott AFB, Illinois, performs a centralized acquisition function to meet the telecommunications requirements of the DoD and other Government agencies authorized by specific DoD agreement to acquire service through the DoD centralized leasing agency. (See DCAC 640-45-14.) DECCO's field activity in Hawaii, DECCO-PAC, acquires facilities, services, and equipment within Hawaii and certain specialized communication terminals within DCS areas 7 and 8. (See DCAC 640-45-24.) The mission and functions of DECCO-Alaska are contained in DCAC 640-45-35. DECCO-EUR, located in Sembach, Germany, acquires communications service within or between DCS areas 2 (Greenland and Iceland), 3, 4, 5, and 6 (see DCAC 640-45-30). Reference 4a contains the specialized acquisition procedures of DECCO and DECCO field activities.

3. Telecommunications Certification Office (TCO). As used in this Circular, and derived from the definition in NCS Circular 130-1, a TCO is the activity designated by a Federal department or agency to certify to DCA (as an operating agency of the NCS) that a specified telecommunications service or facility is a bona fide requirement of the department or agency, and that it is prepared to pay mutually acceptable costs involved in its fulfillment.

A listing of designated and authorized TCO's and appropriate identifying codes is contained in chapter 1, table 1, showing the area of the TCO's authority and the organization or accounts served.

a. DoD departments or agencies at command, office, department, agency, or headquarters level may generate DCS or non-DCS communications requirements, even though they are not TCO's. However, such requirements must be submitted to an appropriate TCO for certification prior to acquisition by DCA/DECCO. Guidance pertaining to the authority of non-DoD agencies to submit requirements for DCS service is contained in chapters 2 and 4 of this Circular. The authority of non-DoD agencies to order non-DoD leased services through DECCO is limited to the extent approved by the DoD in separate agreement.

b. Since the responsibility for reimbursing DECCO for the cost of leased services is determined from the Program Designator Code (PDC), the military department TCO responsible for providing funding support of a CINC's or other agency's requirement will normally submit the TSR. However, TCO's which submit TSR's citing PDC's of another department or agency TCO will include a statement in TSR item 510 to the effect that the PDC for this service has been approved by the TCO, which is responsible for reimbursement to DECCO and will provide a copy of the TSR to the funding activity. Requests for new PDC's or changes to the definition of an existing PDC will be forwarded to the Commander, DECCO, ATTN: D650 for action. A change of PDC on an existing circuit will also be addressed directly to DECCO for action.

c. The TCO's listed in chapter 1, table 1, are authorized to submit Telecommunications Service Requests (TSR's) under the provisions of this Circular for service that is normally to be provided within a period of 360 days from submission of the TSR for leased service, or 180 days from submission of the TSR for service on the DCS. (See paragraph 4d(3) of this chapter for exceptions to this general rule.)

d. Military department TCO's, acting as agents for NSA and DIA circuit requirements, may submit TSR's using their own TSR number and TCO code. The Command Communications Service Designator (CCSD) of such circuits must, however, be identified by the purpose and use code and number block of NSA or DIA, as appropriate. The first character of the CCSD will be the agency code of the TCO submitting the TSR; e.g., B if from the Navy, J if from the Air Force, U if from the Army, or N if from NSA or DIA. Questions regarding circuit validity and restoration priority assignments must be resolved by NSA or DIA.

4. Basic Factors to be Considered by the Telecommunications Certification Office Prior to Submission of the TSR. Close coordination between the user, TCO, and the DCA action agency (DCA organizational element that will act upon the TSR; see chapter 4) is essential during the formulation of requirements. The efforts made at this time to develop the exact nature of a requirement can often effect a significant savings in time, facilities, and money. The following are some of the basic factors relating to requirements that must be considered and resolved by the TCO before TSR submission. (Additional special considerations are contained in chapter 2.)

a. Can the requirement be met through the use of existing DCS facilities? Will AUTODIN, DDN, or DCTN/AUTOVON/DSN access be acceptable instead of dedicated user-to-user service? When feasible, the TCO will contact the DCA action agency to discuss the requirement and determine whether to use leased or Government-owned DCS facilities. This discussion is helpful in placing the requirement in its true perspective and forms a part of the continuing review, where applicable, by the DCS user, TCO, and DCA action agency to obtain maximum use of Government-owned DCS facilities. In cases where data communications needs are not currently supported by DoD common user data networks; i.e., requirements for dedicated network service, the TCO must obtain approval from the OASD (C³I) and comply with reporting rules of the Defense Data Network User Requirements Data Base (URDB); this also includes all requests for Electronic Mail Service. Before submitting a request for PDN or dedicated network service, the sponsoring activity must be issued a URDB Waiver Number by the Subscriber Requirements and Integration Branch of the Defense Communications Systems Data Systems (DCSDS) (DCA Code B641), or fall into one or more of the exempt categories described in chapter 4, paragraph 3m(4). TCO's developing requirements for PDN or dedicated network service should contact DECCO prior to TSR submission to receive detailed guidance on simultaneous submission of a PDN Performance Specification. The responsible DCA action agency will review leased channels periodically to determine the advisability of transferring the traffic on these leased channels to spare channels in Government-owned systems. Changes from leased channels to U.S. Government-owned channels, or vice versa, will be accomplished, in coordination with the TCO concerned, only when there is a clear overall economic advantage to the U.S. Government and the operational mission is not jeopardized.

b. Is the required service of a nature that will permit processing of the requirement under a Commercial Communications Work Order (CCWO)? See chapter 2, paragraph 2c, for an explanation of the use of the CCWO.

c. Does the required service qualify as a National Security Emergency Preparedness (NSEP) requirement?

(1) Commercial telecommunication services leased within the United States (i.e., 50 States, U.S. territories, U.S. possessions) may be eligible for designation as NSEP, and as such, will be processed in accordance with special procedures. The first step before preparing the TSR is to determine whether the telecommunications service requirement qualifies as NSEP. The two specific categories of telecommunication services or circuits which are eligible for designation as NSEP are "Emergency NSEP" and "Essential NSEP." See supplement 11, pages 1 and 2, and the special considerations beginning on page 9, for the applicable criteria governing these two categories of NSEP requirements. If the required service qualifies as an NSEP requirement, the associated TSR must be prepared and submitted in accordance with supplement 11 procedures in addition to the procedures identified in chapters 3 and 4 of this Circular.

(2) U.S. communication requirements in foreign areas not subject to NSEP procedures may be eligible for designation as "Emergency" or "Urgent." See chapter 2, paragraphs 2d and 2e, for information regarding the submission of communication requirements for "Emergency" and "Urgent" service.

d. Is the time element valid?

(1) If insufficient leadtime is allowed to provide a requested service, unnecessary costs are incurred, manpower is wasted, and the end result may be a service that does not satisfy the requirement. The leadtimes in chapter 4, tables 12, 13, and 14, show the normal interval (in calendar days) between the receipt of a TSR by a DCA action agency and the completion of the action by a communications contractor or by DCS facilities. Normal leadtimes must be shown in items 106A and 106B unless the service qualifies as a NSEP, Urgent, or Emergency requirement, and/or overtime and expediting charges are authorized (Item 118).

(a) Actual leadtimes depend upon the complexity or type of service(s) being requested, the acquisition approach to be used, capabilities of commercial contractors, availability of DCS facilities, completeness of TSR's, and, if applicable, the associated statement of work or performance specification. Additional information regarding leadtimes for leased services may be obtained from the agency responsible for procuring leased services in the DCS geographical area involved. The TCO should obtain this information when the required service is vital and the leadtime is questionable.

(b) TSR's received by the DCA action agency which do not permit the prescribed leadtime must contain authorization in item 118 for overtime and expediting charges if leasing action is required to fulfill the TSR requirements. TSR's which do not contain this authorization will not be processed until the TCO adds the overtime and expediting charges authorization or changes the service date to provide the required leadtime.

(2) Emergency and Emergency NSEP requirements that arise to support combat missions or emergency tasks must be met without regard to normal TSR processing time. The DCA action agency will process requirements as expeditiously as possible. (See chapter 2, paragraph 2d, and supplement 11 for additional procedures.)

(3) TSR's with a service date more than 360 days from submission for leased service, or 180 days for service on the DCS, will not be accepted by the DCA action agency unless the requirement is justified as an exception to normal processing procedure. One such justification, for example, could concern a requirement to place an order with a commercial company more than 360 days in advance of the required service date to provide leadtime for special construction of communications facilities or assembly of equipment. Another justification could concern TSR's in support of contingency operations. (Refer to DCAC 320-120-2, Contingency Communications Planning, and chapter 2, paragraph 2f, this Circular, for additional information on contingency requirements.) Aside from such special cases, requirements

submitted to the DCA action agency in accordance with this Circular will be for service within the time limit indicated above. TCO's will provide as much leadtime as possible within this time period to meet their needs.

e. Is user's equipment available to meet the requirement? The user must provide compatible terminating equipment unless the circuit and associated equipment are to be leased on a package basis. Whenever Government-owned equipment or non-DCS transmission facilities are to be used to satisfy a requirement, the TCO must ensure that such equipment and facilities will be in place and operational on the required service date. All terminating equipment, to include security devices, where appropriate, must be identified by nomenclature or model number in the TSR.

f. Has Connection Approval (CA) been obtained? CA is required for U.S. Government-furnished equipment (GFE) to be connected to leased circuits in Australia, New Zealand, and several countries within DCS geographical areas 3, 4, 5, and 6. TCO's should contact the appropriate DCA action agency prior to submitting TSR's for leased circuits terminating in any of the countries or areas named above when GFE is to be connected to such circuits, to determine if CA will be required. If CA is required by the foreign carrier and has already been obtained for the same brand name and model of equipment by prior action, the TCO will cite the prior approval documentation in TSR item 414. If CA is required and has not already been obtained, the TCO will add at least 90 days additional leadtime to the required service date, will discuss with the DCA action agency the procedures and responsibilities associated with obtaining approval, and will include any required information and the statement, "CA required," in TSR item 414. (For European service see reference 4o.)

g. When leased services are required, are funds available and cited to cover any overtime and expediting charges incurred to meet the required service date? If normal leadtimes are allowed, these charges should not be required. (See chapter 1, paragraph 4d.)

h. Have security aspects of the requirement been considered?

(1) Validated request for telecommunications service will be prepared and processed on an unclassified basis.

(2) If classified information is required to describe the requirement, the classified portion will be forwarded under separate cover, classified accordingly. "Additional information provided under separate cover" will be entered in the TSR item to which the classified information pertains. (Classified information will not be carried forward to the TS0.)

(3) When a circuit is classified due to its association of requesting activity with the end user operating locations, the service will be requested in accordance with special procedures (classified) (limited distribution, under separate cover).

(4) In unlikely event that a TSR must be classified and existing procedures discussed above do not apply, the TCO, in coordination with DCA, will develop a special onetime procedure for submission and processing of the classified TSR.

(5) Classified requests for service (RFS's) or feeder TSR's should be submitted to designated TCO's in accordance with TCO procedures.

(6) Classified TSR's received by DCA action activities will not be processed until received in accordance with the above.

i. When leased communications services are used, are specific constraints identified which apply to the implementation, operation, management, or control of the required service, and which have impact on the method of procurement? For example, is appropriate justification provided, in accordance with chapter 3, item 406, which substantiates limiting the source of supply? When more than one source of supply exists and when not otherwise restricted by law, regulation, and the nature of the requirement, the DECCO Contracting Officer will employ competitive procedures to acquire leased services. Requirements which must be leased will comply with the published procedures of the agency responsible for acquiring the service within the DCS area involved. Requirements for leased service to be acquired by the Defense Commercial Communications Office (DECCO or DECCO activities) will comply with reference 4a.

j. Have all aspects of the restoration priority (RP) requested been considered by the TCO? The TCO must ensure that the requested RP is in consonance with reference 4h. (Non-DoD agencies refer to reference 4p.) The user level and intended use of the circuit must justify the assignment of the RP; the RP assignments must not result in multiple high RP assignments between terminals in support of the user's requirements. The TCO must furnish in TSR item 403 a statement of rationale supporting the RP assignment for unified commander and NCS reviews and approvals. This statement should amplify the priority or subpriority category in reference 4h (or reference 4p), and should be in consonance with the policies of the unified commander in the area concerned. For example, "This is the first circuit essential to national survival for critical logistical functions and administrative military support functions. Making reference to directives, publications, or instructions without including a written statement of need is not sufficient as justification for assignment of a RP. If the narrative is classified, the procedures outlined in paragraph 4h(2) apply. (See chapter 2, paragraph 9, for NCS certification procedures.)

5. Use of the DCS Technical Schedules by the TCO. Item numbers from the DCS Technical Schedules, chapter 1, table 2, have been extracted from reference 4g and will be of particular interest and use to the user and Telecommunications Certification Office. Reference 4g applies if different from table 2. Establishment of these schedules is a major step toward the creation of a common language for circuit ordering, allocation, engineering, activation, operation, and maintenance.

a. The DCS Technical Schedules apply to all Government-owned circuits within DCS. The DCS circuit parameters are based on U.S. commercial industry standards. Commercial leased circuit specifications (channel type or conditioning) are filed with the Federal Communications Commission as tariffed items. Conflicts between Commercial Leased Circuit Specifications and DCS Circuit Specifications will be resolved in favor of the Commercial Leased Circuit Specifications defined in chapters 3 and 4 of reference 4g.

b. Chapter 1, table 2, of the DCS Technical Schedules describes various types of DCS circuits. Each circuit type is reflected under a separate item number, and each item number has an assigned circuit parameter code representing the technical parameters associated with that circuit. The actual technical parameters associated with the circuit types listed in table 2 are contained in reference 4g.

c. Circuit Technical Characteristics.

(1) In submitting a TSR, the TCO will, when applicable, cite (see chapter 3, item 109) the item number from the DCS Technical Schedules, table 2, to indicate the type of circuit required. Additionally, the TCO must clearly state (in applicable TSR items) the technical use that will be made of the circuit being requested. This action is necessary for leased circuits, since some of the circuit parameters listed in the DCS Technical Schedules may apply to more than one circuit category. A circuit, for example, that is listed as item C1 in the DCS Technical Schedules can accommodate switched voice service (AUTOVON/DSN or secure voice) at different speeds or also be used for general data service (over analog channels). This information must be contained in the TSR.

(2) If the service requested does not meet a description of one of the table 2 item numbers, submit TSR item 429 describing the desired circuit characteristics.

(3) The DCA Allocation and Engineering (A&E) Action Agency will use the entry in item 109 and/or 429 and other information to determine the circuit parameter to meet the stated circuit requirement. In view of this, the circuit parameter reflected in the resulting TSO may specify a technical schedule that does not correspond with the table 2 item number submitted in the originating TSR. For circuits that traverse both military and commercial paths or paths of more than one carrier, the allocator/engineer will apply the tables for end-to-end circuit performance measurements. In some cases, the allocator/engineer will be required to specify in the TSO the details of the required segmented circuit performance to be applied to the individual commercial and military circuit portions. The TSO may list the closest equivalent DCS technical schedule for data base purposes, and include the specifications that actually apply.

d. Reference 4g, chapter 3, indicates various tariffed service offerings currently available from and recommended by U.S. common carriers to meet Government requirements for the listed telecommunications services. The information contained in reference 4g provides a reference for use in leasing commercial communications services and a yardstick for evaluating leased

circuits in use in the DCS today. Inclusion of this information in this Circular does not constitute DoD endorsement of the suitability of such commercial services for use in the DCS nor of the adequacy of specified parameters to meet Government service needs. In addition to AT&T, other competing carriers provide long-haul service. Since the divestiture by AT&T of the Bell Operating Companies, AT&T circuit types and parameters are no longer the de facto industry standards. In view of this situation, the American National Standards Institute (ANSI) is expected to develop circuit performance standards which will be subscribed to by all U.S. common carriers. When the ANSI standards are published, the circuit performance standards will be incorporated in reference 4g.

e. In some instances, particularly where foreign carriers are involved, service as specified in the DCS Technical Schedules may not be available. The TCO must recognize this fact and include sufficient narrative description in TSR item 429, in addition to or in lieu of the item number from the DCS Technical Schedules, for the commercial company concerned to quote the service it is able to provide.

f. All DCS international leased services will be ordered using CCITT recommended standard parameters M1020, M1025, and M1040, which equate to DCS parameter codes M3, M2, and M1 and item numbers 4L, 4M, and 4N respectively. The characteristics of these parameters are identified in chapter 4 and supplement 2 to reference 4g.

6. Identification of DCS Circuit. The CCSD is the primary identification assigned to all DCS circuits. In case of public data network services, CCSD's are assigned only to dedicated circuits connecting a host computer to the public data network and to dedicated access lines connecting users to a PDN node. As such, all offices must either maintain files concerning DCS circuits by circuit number (last four characters of CCSD) order, or be able to cross-reference TSR numbers or commercial circuit numbers to the assigned CCSD. When corresponding with or calling DCA activities, TCO's must cite the CCSD or, if a CCSD has not yet been assigned, the TSR number and the transmitting correspondence. For leased circuitry, the commercial circuit number should also be referenced if assigned. This standard practice does not eliminate the requirement for providing reference data that is as complete as possible. When contacting a TCO, for example, provide the TSR and TSO or CSA numbers if these are applicable and known. Similarly, when contacting a leasing/acquisition agency or a communications common carrier, provide the commercial circuit number.

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES

Organizational Account	Designated TCO	Code
<u>Global Authority</u>		
AUTODIN	DCA Hq (Code B651)	DB
SECURE VOICE	DCA Hq (Code B520)	DL
DSN/AUTOVON/DCTN	DCA Hq (Code B520)	DV
CDR Coast Guard District One	CCGD1	CF
CDR Coast Guard District Two	CCGD2	CH
CDR Coast Guard District Three	CCGD3	CL
CDR Coast Guard District Five	CCGD5	CN
CDR Coast Guard District Seven	CCGD7	CP
CDR Coast Guard District Eight	CCGD8	CR
CDR Coast Guard District Nine	CCGD9	CV
CDR Coast Guard District Eleven	CCGD11	CW
CDR Coast Guard District Twelve	CCGD12	CX
CDR Coast Guard District Thirteen	CCGD13	CY
CDR Coast Guard District Seventeen	CCGD17	CZ
Central Intelligence Agency	CIA	GH
CINCFOR	CINCFOR, FT MCPHERSON, GA	CJ
CINCLANT	CINCLANT	SM
Coast Guard	COMDT COGARD	CC
DCA Europe	DCA Hq (Code B240)	DP
DCA Europe (MUX MGMT and DCS O/W)	DCA Europe	XE
DCA Europe (DDN)	DCA Europe	DW
DCA Hq (Misc DCA Hq requirements not reflected elsewhere in this table)	DCA Hq (Code B240)	DA
DCA Hq (Center for Command and Control and Communications Systems (C4S))	DCA Hq (Code A800)	CS
DCA Hq (Multiplex Management)	DCA Hq (Code B420)	XH
DCA Hq (Office Automation)	DCA Hq	DJ
DCA Pacific	DCA Hq (Code B240)	DQ
DCA Pacific (MUX MGMT and DCS O/W)	DCA Pacific	XP
DCA Pacific (DDN)	DCA Pacific	DX
DCA Pacific (OTS)	DCA Pacific	PT
DCA TMSO	DCA Hq (Code B240)	DC
DCA TMSO (MUX MGMT and DCS O/W)	DCA TMSO	XW
DCA TMSO (DDN)	DCA TMSO	DY
DDN (WINCS/ARPANET/MILNET/MINET/DISNET/SCINET) Backbone Requirements Including ARPANET Host Access Line TSR's	DCA Hq, PMO (Code B643)	DU
DECCO	DECCO (Code D103)	DH
Defense Advanced Research Projects Agency	ARPA	AO
Defense Intelligence Agency	DIA (RCM-4)	DI
Defense Investigative Service	DIS	DT

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES (CON.)

Organizational Account	Designated TCO	Code
<u>Global Authority (Con.)</u>		
Defense Logistics Agency	DLA	DF
Defense Mapping Agency		
Telecommunications Services Center	DMATSC	DZ
Defense Nuclear Agency	DNA	DD
Defense Telephone Service	DFTS	DG
Department of Commerce	DOC	GV
Department of Commerce NTIA	NTIA	GD
Department of Commerce-Weather Bureau	WB	GM
Department of Energy	DOE	GG
Department of Health and Human Services	HHS	GS
Department of Interior	DOI	GR
Department of Justice	DOJ	GT
Department of State	STATE	GE
Department of Treasury	Dept of Treas	GU
Department of Transportation	DOT	GW
Diplomatic Telecommunications Service	DTS	LL
DND Requirements in DCS Facilities	CFCC	FA
FAA Alaskan Region	FAA	FC
FAA Central Region	FAA	FD
FAA Eastern Region	FAA	FE
FAA Great Lakes Region	FAA	FL
FAA Headquarters	FAA	FB
FAA New England Region	FAA	FM
FAA Northwest Mountain Region	FAA	FN
FAA Pacific Region	FAA	FF
FAA Southern Region	FAA	FG
FAA Southwest Region	FAA	FH
FAA Western Region	FAA	FI
FAA HQ Emergency Operations Office	FAA	FO
FAA HQ Interfacility Projects Office	FAA	FP
Federal Bureau of Investigation	FBI	GA
Federal Communications Commission	FCC	GI
Federal Emergency Management Agency	FEMA	GP
General Services Administration	GSA	GJ
Information System Procurement Office	ISPO	PO
Manned Space Agency	DDMS	DE
Manager National Communications System	NCS-PP	PP
National Aeronautics and Space Administration	NASA	GN
National Command Authority	JCS	JB
National Security Agency	NSA	DN

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES (CON.)

Organizational Account	Designated TCO	Code
<u>Global Authority (Con.)</u>		
NATO Integrated Communications System-Central Operating Authority (NICS-COA) (For Administrative and Accounting Purpose Only)	HQ DCA (Code B240)	SL
Navy Federal Credit Union	NFCU	NJ
Office of Information for the Armed Forces	IAF	GC
Office of Secretary of Defense	OSD	DM
OSD (HA)	OSD (HA)	DR
Red Cross	Red Cross	KA
Reserved (see DCA B240 TCO File)	Reserved	RS
Reserved DECCO Special Project	Reserved	MG
Reserved for DCA TMSO (Internal Accounting)	DCA TMSO	YA-YC
Reserved for DCA Hq (Internal Accounting)	HQ DCA (Code B240)	YD
Reserved for Mgr NCS (Internal Accounting)	MGR NCS	ZA-ZZ
SACLANT (Administrative and Accounting Purposes only)	SACLANT	SN
Satellite Management	HQ DCA (Code B440)	DK
Technical Research Institute	TRI	TR
USCINCSOC	US NCSOC	SJ
U.S. International Communications Agency	USICA	GF
Veteran's Administration	VA	GL
White House Communications Agency	WHCA	DO
<u>Air Force</u>		
AAC NORAD TAC AUTOVON SYS	AFCC	BB
AFTAC	AFCC	AL
Air Force Communications (Other)	AFCC	AM
Air Force AUTODIN	AFCC	AC
Air Force AUTOSEVOCOM	AFCC	AR
Air Force AUTOVON	AFCC	AB
Air Force Computer Remote	AFCC	AA
Air Force DDN Service (For CONUS Intertheater and DCS Area 9)	AFCC	AE

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES (CON.)

Organizational Account	Designated TCO	Code
<u>Air Force (Con.)</u>		
Air Force NSA Support	AFCC	BM
Air Force Project Support	AFCC	AK
Air Force Support Data Network	AFCC	ET
Air Force Systems Command	AFCC	AY
Air Force TELEFAX	AFCC	AD
Air National Guard	AFCC	AS
Strategic Air Command	AFCC	SA
Chief of Staff Air Force	AFCC	BE
DIA Support	AFCC	BN
1st Air Force (1AF)	AFCC	CB
Joint Chief of Staff	AFCC	JA
Military Airlift Command	AFCC	AV
USCENTCOM (USAF Funds)	AFCC	AW
Space Command	AFCC	CA
Tactical Air Command	AFCC	AZ
USCENTAF	AFCC	AQ
USCINCSOC (USAF Funds)	AFCC	AX
Weather	AFCC	BC
<u>Army</u>		
Army European Telephone System (ETS)	USARCCO (ASQA-DN)	EA
Army AUTODIN	USARCCO (ASQA-DD)	UA
Army AUTOVON and AUTOSEVOCOM	USARCCO (ASQA-DD)	VA
Army Special Networks	USARCCO (ASQA-DN)	WA
Army DDN Service	USARCCO (ASQA-DN)	XA
Army OTS	USARCCO (ASQA-DN)	HA
Army WATS Equivalent Service	USARCCO (ASQA-DS)	WW
<u>Navy</u>		
CINCLANT (Navy Funds)	NAVTCO	ND
ISPO Washington DC	NAVTCO	NQ
Navy	NAVTCO	NA
Navy AUTODIN	NAVTCO	NC
Navy AUTOSEVOCOM	NAVTCO	NH
Navy AUTOVON/DCTN/DSN	NAVTCO	NB
Navy DDN Service	NAVTCO	NK
Navy DIA Support	NAVTCO	NI
Navy/Marine Corps Dedicated Voice	NAVTCO	NX

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES (CON.)

Organizational Account	Designated TCO	Code
<u>Navy (Con.)</u>		
Navy/Marine Corps OTS	PUBLIC WORKS CENTER (PWC), PEARL HARBOR, HI	NP
Navy NSA Support	NAVTCO	NN
<u>DCA Areas 1 and 2</u>		
Canadian Commercial Requirements in DCS Facilities	CFCC	FK
NORAD/SPACECOM	AFCC	CT
MOT Requirements in DCS Facilities	CFCC	FJ
Joint Task Force-2	JTF-2	JC
NORAD Cheyenne Mountain Complex	AFCC	CM
USCINCSO (Area 1)	USCINCSO	SB
23rd Air Division	AFCC	CO
24th Air Division	AFCC	CQ
25th Air Division	AFCC	CG
26th Air Division	AFCC	CI
<u>DCS Areas 3, 4, and 5</u>		
All Coast Guard Activities into, out of, and within these DCS Areas	COMCOGARD ACT EUR	CD
All AF Activities	ECD (AFTCO-EUR, AFCC)	BF
CINCUSNAVEUR (Excluding all DCS Switched Networks)	CINCUSNAVEUR	NE
USCINCEUR	USCINCEUR	SC
Air Force DDN Service (Intra- Theater DDN Requirements only)	ECD (AFTCO-EUR, AFCC)	BQ
<u>DCS Area 6</u>		
USCENTCOM (USAF Funds)	AFCC	AW
<u>DCS Areas 7 and 8</u>		
All AF Activities (Excluding DCS Switched Networks) (Intra-Japan, Intra-Korea, Inter-Japan/Korea)	PCD-NWP (AFTCO-NWP, AFCC)	BG

TABLE 1. TELECOMMUNICATIONS CERTIFICATION OFFICES (CON.)

Organizational Account	Designated TCO	Code
<u>DCS Areas 7 and 8 (Con.)</u>		
All AF Activities (Excluding DCS Switched Networks) (Intra-Philippines)	PCD-SWP (AFTCO-SWP, AFCC)	BH
All Coast Guard Activities (Intra-Pacific)	CCGD14	CE
All Navy Activities (State of Hawaii-Excluding DCS Switched Networks)	CINCPACFLT	NF
All Navy Activities (Excluding DCS Switched Networks)	CINCPACFLT	NG
CINCPAC	CINCPAC	SD
All AF Activities	PCD (AFTCO-PAC, AFCC)	BJ
Air Force DDN Service (Intra-Theater DDN requirements only)	PCD (AFTCO-PAC, AFCC)	BL
<u>DCS Area 9</u>		
Joint Task Force-AK	JTF AK	SH
RCA ALASCOM (Public offering within Alaska and other commercial requirements using DCS facilities only)	RCAA	DS
Alaskan Air Command Dedicated	AFCC	BI

TABLE 2. DCS TECHNICAL SCHEDULES¹

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>Category 1: Voice Switch Service</u>		
<u>Defense Switched Network/AUTOVON</u>		
1A	Voice grade access line.	C1
1B	Special grade, alternate voice/record access from AUTOVON switch.	C3
1C	Interswitch trunk voice grade.	C1
1D	Interswitch special grade, alternate voice/record, not transoceanic.	CT
1E	Interswitch special grade, not transoceanic (regenerators at both ends).	C2
1F	Interswitch special grade, not transoceanic (regenerators at one end).	C4
1G	Interswitch service PCM-24.	Y2 (CONUS LEASE) Y4 (GOV'T OWNED)
1H	Interswitch service PCM-30.	Y3
1I	Interswitch trunk international voice grade.	M1
1J	Interswitch trunk international special grade.	M3
1K	Digital data service (access).	J1

¹Technical Schedules pertinent to services not mentioned herein will be developed on a case-by-case basis as requests for these services are received by the responsible DCA Circuit Allocation and Engineering Organization. When warranted by the degree of usage, an appropriate Technical Schedule for that particular service will be published by DCA.

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>Secure Voice</u>		
1L	Secure voice, operating at 2 4 through 16 kb/s (derived over analog channels).	C1
1M	Secure voice, operating at 50 kb/s. This is a special schedule pertaining to transmission over metallic facilities without regenerators.	G1
1N	Secure voice terminal, 2.4 through 9.6 kb/s access/trunk line, to four-wire JOSS or AUTOVON switch (SEVAC or CORDBOARD).	C3
1O	Interswitch trunk operating at 2.4 or 9.6 kb/s providing secure voice service. (This service is derived from the AUTOVON.)	C2
1P	Secure voice terminal, 50 kb/s baseband, to SECORD or AUTOSEVOCOM switching facility without regenerators over metallic facilities.	G2
1Q	Secure voice terminal, 50 kb/s baseband, to AN/FTC-31 over metallic facilities. (If manual patching is anticipated, order item number 1P.)	G1
1R	50kb/s baseband, over metallic facilities without regenerators.	G3
1S	8 to 16 kb/s secure voice.	C1
1T	Secure voice, operating at 50kb/s. This is a special schedule pertaining to long-distance transmission over radio systems.	Z4
1U	Secure voice conference (SCP).	J2

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>Category 2: Digital Switch Service</u>		
<u>Defense Data Network/AUTODIN</u>		
2A	75 through 1.2 kb/s access line to switch or to a bridge at a transmission nodal point. (Derived over analog channels.) C1/J1	Q1
2B	2.4 to 9.6 kb/s access line, alternate voice/record service. (Derived over analog channels.) C2/J1	Q2
2C	2.4 through 9.6 kb/s interswitch trunk. (Derived over analog channels.) C2/J1	Q2
2D	45 b/s through 64 kb/s access/interswitch line. (Derived over digital channels.)	J1
2E	0 to 16 kb/s services derived over ECCM channels.	J1
2F	2.4 to 19.2 kb/s access/interswitch line. (Derived over international M1020 condition line.) M3/J1	Q3
2G	300 to 1.2 kb/s access line. (Derived over international M1040 condition line.) M1/J1	Q4

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>Category 3: Voice Service</u>		
<u>Nonsecure Voice</u>		
3A	Nonsecure voice circuit.	C0
<u>Alternate Voice Record</u>		
3B	Alternate voice/record service, including secure C2 voice or data, operating at rates from 2.4 up to 9.6 kb/s. Circuit parameter code C3 is not available for user-to-user service, but was developed to permit interconnecting up to five tandem C3 links while still obtaining C2 circuit performance on an end-to-end basis.	C2
3C	2.4 to 9.6 kb/s alternate voice/record service.	C2
<u>Facsimile</u>		
3D	Facsimile transmission which can be accommodated over a voice grade channel with no special conditioning. If the required facsimile service (including telephoto) involves special channel conditioning, specific circuit parameters will be based on transmission means, circuit length, and characteristics of the equipment used to terminate the circuits.	C0
<u>Carrier Telegraph (VFCT) Systems</u>		
3E	VFCT, type 1. Up to 16 telegraph channels.	C2
3F	VFTC, type 2. Up to 26 telegraph channels provided over a voice frequency channel between carrier terminals.	C2

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>International</u>		
3G	CCITT parameter M1020. For use with modems that do not contain equalizers. 3G has been adapted for use in lieu of parameters C2, D1, C1, and C3 for service provided by U.S. International Carriers.	M3
3H	CCITT parameter M1025. For use with modems which contain equalizers. 3H has been adapted for use in lieu of parameters C0 and C1 for service provided by U.S. International Carriers.	M2
3I	CCITT parameter M1040. For use with telephone circuits that do not require special characteristics to be provided by U.S. International Carriers.	M1
<u>Category 4: Digital Service</u>		
<u>General Data</u>		
4A	0 through 150 b/s teletypewriter and other dc keying services. (Derived over analog channels.) (C0/N1/J1)	Q5
4B	0 through 150 b/s used where dc keying is converted to a digital signal (C0/J1).	Q6
4C	300 through 1200 b/s. Includes card data or other service. (Derived over analog channels.)	C1
4D	066-068 IBM transceivers (10 to 40 cpm). (Derived over analog channels.)	C0
4E	0 through 2.4 kb/s async service. (Derived over digital channels.)	N1
4F	0 through 64 kB/s digital service. (Derived over digital channels.)	J1

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
4G	1.544 through 6.176 Mb/s digital service (Derived over digital channels.)	Y1
4H	1.544 Mb/s basic digroup. Time Division Multiplexing using commercial "D Type" PCM terminals. This service is often provided via commercial DS1 or Data Under Voice (DUV) transmission systems. The PCM terminals normally derive 24 telephone-type channels, although lower speed data channels may be substituted for some of the voice channels. The terminals used to derive the service are often dubbed "PCM 24" terminals and may consist of any of the commercial "D Type" banks (D1, D2, D3, D4, etc) ²	Y2
4I	2.048 Mb/s basic digroups. Time Division Multiplexing using PCM-30 channel terminal equipment complying with CCITT G.732. This equipment provides 30 voice channels. This is an end-to-end service.	Y3

²Refer to Bell System Technical Reference 41451. The rates and service quality standards (e.g., conditioning) for AT&T Tariff FCC Nos. 258 and 267 providing 1.544 Mb/s service are currently at issue in FCC Docket No. 20690. Reference to AT&T Tariff FCC Nos. 258 and 267 does not constitute endorsement or acceptance of the service quality standards contained therein as adequate to meet Government service requirements. The DCS Circuit Parameter Code Y2 also is repromulgated only on an interim basis until the final resolution of the matters at issue in FCC Docket No. 20690. At that time Code Y2 will be adjusted as necessary for both Government-owned and commercially leased circuits.

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

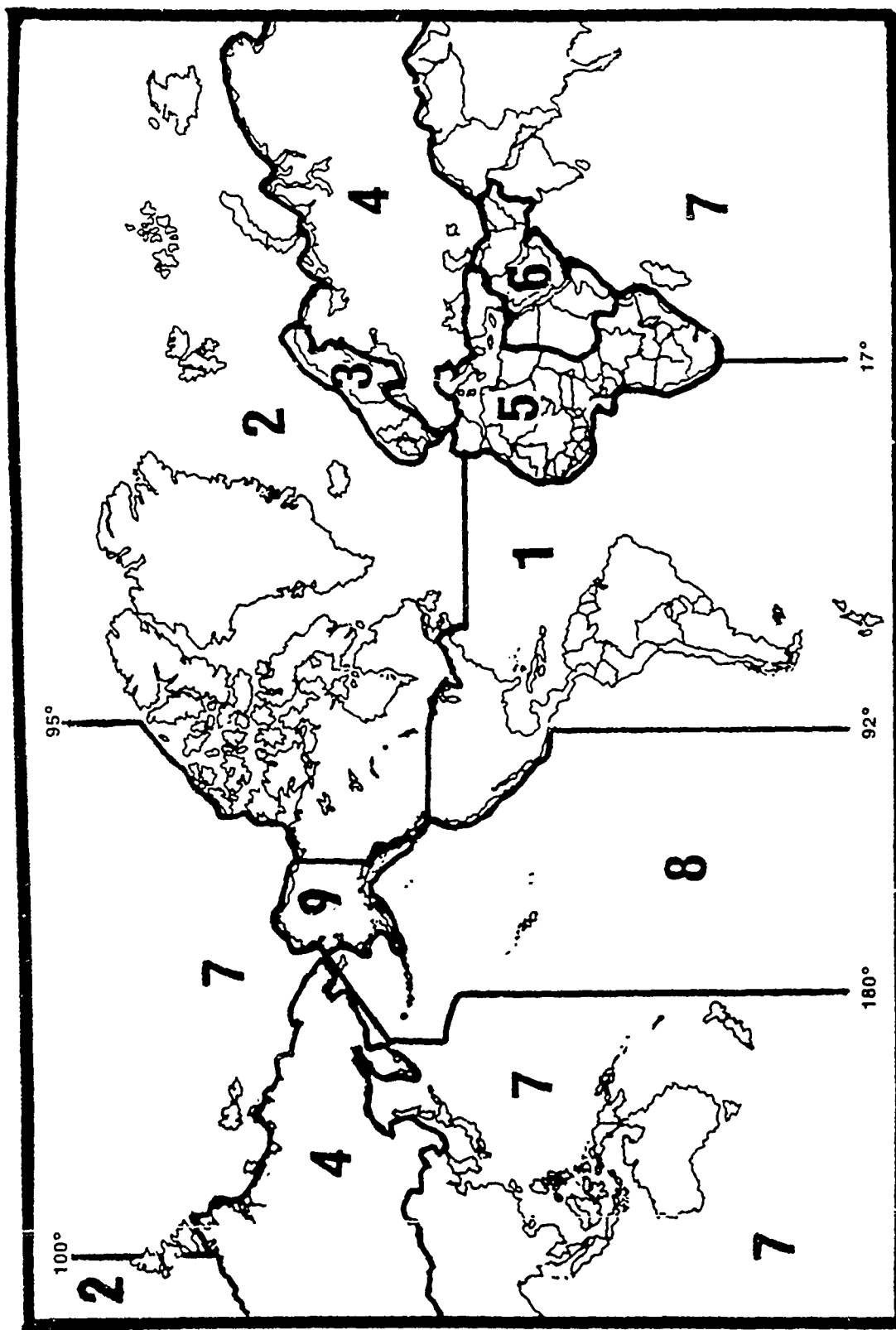
ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
<u>WORLDWIDE MILITARY COMMAND AND CONTROL SYSTEM (WWMCCS)</u>		
4J	Circuits supporting WWMCCS at rates of 19.2 kb/s to 50 kb/s. Synchronous or isochronous mode.	W1
4K	56/64 kb/s digital circuit supporting WWMCCS Intercomputer Network Communications Subsystem (WINCS)	J3
<u>International</u>		
4L	CCITT parameter M1020. For use with modems that do not contain equalizers. It has been adapted for use in lieu of parameters C2, D1, C1, and C3 for service provided by U.S. International Carriers.	M3
4M	CCITT parameter M1025. For use with modems which contain equalizers. It has been adapted for use in lieu of parameters C0 and C1 for service provided by U.S. International Carriers.	M2
4N	CCITT parameter M1040. Has been adapted for telephone circuits that do not require special characteristics that are provided by U.S. International Carriers.	M1
<u>Category 5: Package/Digital System</u>		
5A	Digital package system 1.2 through 768 kb/s	J3
5B	Digital package system 1.536 through 6.176 Mb/s	Y1
5C	1.544 Mb/s service. Provides for point-to-point, full duplex transmission of serial bipolar isochronous pulses compatible with Bell System Technical Reference 41451.	Y2

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
5D	2.048 Mb/s basic digroups. Time division multiplexing using PCM-30 channel terminal equipment complying with CCITT G.732. This equipment provides 30 voice channels. This is an end-to-end service.	Y3
5E	Digital radio system operating at 192 kb/s through 50 Mb/s. (Not satellite or tropo.)	R1
5F	Digital multiplex operating at 192 kb/s through 50 Mb/s. (Not satellite or tropo.)	R2
5G	Digital radio/multiplex operating at 50 kb/s to 9.7 Mb/s (Tropo).	R3
5H	Digital satellite radio/multiplex. Bit-error-rate $\leq 1 \times 10^{-5}$.	S1
5I	Digital satellite radio/multiplex. Bit-error-rate $\leq 5 \times 10^{-6}$.	S2
5J	Digital satellite radio/multiplex. Bit-error-rate $\leq 1 \times 10^{-6}$.	S3
5K	Digital satellite radio/multiplex. Bit-error-rate $\leq 5 \times 10^{-7}$.	S4
5L	Digital satellite radio/multiplex. Bit-error-rate $\leq 1 \times 10^{-7}$.	S5
5M	JRSC Digital Package (AN/FCC-100 Trunk).	J4
5N	Digital Package System with Modems 1.2 - 16 kb/s.	Q7
<u>Group Bandwidth</u>		
5O	Frequency Division Multiplexing (FDM) use. This item should be specified whenever a DCS 60-108 kHz channel is equipped with GFE FDM equipment at DCS station locations.	X1

TABLE 2. DCS TECHNICAL SCHEDULES (CON.)

ITEM NUMBER	DESCRIPTION OF SERVICE	CIRCUIT PARAMETER CODE
5P	Derivation of 50 kb/s Data Service. This item should be specified whenever a 60-108 kHz channel is required to interconnect 50 kb/s points in the DCS by use of a special GFE modem and GFE auxiliary set (such as WECO type 303 data modem and WECO type 842 data auxiliary set). The arrangement provides interconnection of subscribers on a 4-kHz basis whenever the 50 kHz signal is removed from the user four-wire line. The An/USC-26 group data modem may also be used in deriving this service, however, in the half-group mode of operation the data signal level should be reduced to -8 dBm0.	X2
<u>Category 6: Optional Service</u>		
6A	This is an optional service that may be specified whenever the circuit is to be terminated with modems employing adaptive equalizers. This service is normally obtained without special equalization equipment being introduced into the circuit.	C0
6B	This is an optional service that may be specified whenever the circuit is to be terminated with modems employing multilevel modulation techniques that require above average signal-to-noise and linearity characteristics. Provision of this service normally requires special routing of the circuit over "hand-selected" transmission channels.	D1
<u>Category 7: Special Category</u>		
NS	Not specified. For use where existing technical schedules do not apply, or where new parameter codes have not, as yet, been developed. If "NS" is used, TSR item 429 must reflect specific circuit technical specifications and special conditioning requirements.	NS



LEGEND: DCAOC ACD AREAS 1, 2, 6, AND 9

DCA-PAC AREAS 7 AND 8

DCA-EUR AREAS 3, 4, AND 5

FIGURE 1. DCS GLOGRAPHICAL AREAS

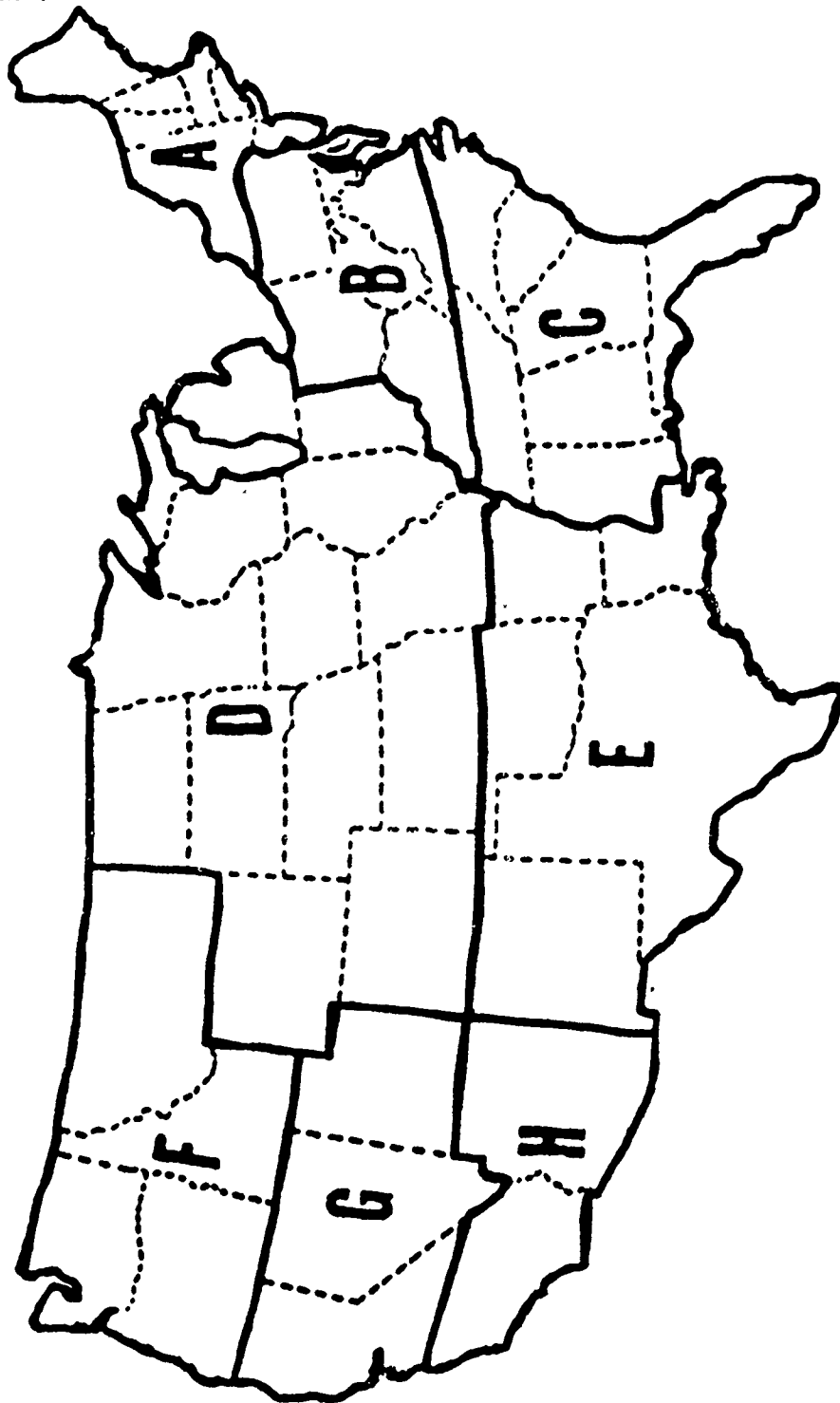


FIGURE 2. INTRA-CONUS AREAS

CHAPTER 2. SPECIAL CONSIDERATIONS RELATED TO
SUBMISSION OF TELECOMMUNICATIONS SERVICE REQUESTS
(TSR'S) FOR DCS SERVICE

1. General. As a major operating component of the National Communications System (NCS), the DCS serves the needs of the DoD and certain needs of civil agencies, as set forth in the approved NCS Long-Range Plan (LRP) and in other agreements pertaining to specific DoD commitments to non-DoD agencies. The procedures as outlined herein for processing TSR's of DoD and non-DoD agencies are in consonance with applicable NCS publications. The following guidance pertains to submission of TSR's for DCS service by non-DoD agencies:

a. Non-DoD agencies currently authorized by the NCS LRP or other agreement between the non-DoD agency and DoD to request a specific DCS service are listed in chapter 1, table 1.

b. Non-DoD agencies authorized to request DCS service will prepare TSR's in the format and detail prescribed in chapter 3 of this Circular. These TSR's will be submitted to the Director, DCA, ATTN: Code B240, unless another channel is specified by separate agreement between the non-DoD agency involved and DoD, or otherwise specified herein. (See chapter 4.)

c. Reference 4c applies to non-DoD departments, offices, and agencies having authorized requirements to be satisfied by the use of DCS facilities.

d. Any use of the DCS by non-DoD agencies, other than as noted above, must be approved by the Deputy Under Secretary of Defense (DUSD) (C³I) on a case-by-case basis. All requirements submitted to C³I by non-DoD agencies will include the complete requisite technical and administrative data outlined in chapter 3 of this Circular, and will specify that the activity will reimburse the DoD for additional costs incurred; e.g., leased circuit costs.

2. Other Special Considerations Related to the Authority of TCO's to Submit TSR's.

a. Submission of Requirements. TSR's from DoD and other Government agencies will be submitted by the Telecommunications Certification Office (TCO) to the DCA, the DCA area, or the Defense Commercial Communications Office (DECCO, DECCO-AK, DECCO-EUR, or DECCO-PAC), as applicable, for implementation as specified in chapter 4. All requirements must include the requisite technical and administrative data in the format indicated in chapter 3, as applicable. In addition, the TCO must comply with published procedures applicable to the procurement of leased facilities within the DCS area involved; applicable technical and administrative data required for acquiring leased facilities will be included in the TSR.

b. Minor Rearrangement or Move of Government-Owned Facilities. Minor rearrangements and moves of Government-owned facilities which do not change the existing type and grade of service, user equipment or interface service points, or restoration priority may be accomplished after coordination with the responsible DCA action agency. The determination that circuit or system engineering actions or DCS circuit data base actions are not required must be made prior to work start date. Rearrangements or moves requiring engineering or circuit data base actions will be processed by TSR in accordance with procedures contained in chapter 3 of this Circular.

c. Minor Rearrangement or Move of Leased Terminal Facilities. Minor rearrangements and local moves of leased terminal facilities which do not change the existing type and grade of service or the service points, and therefore do not necessitate circuit or system engineering actions or DCS circuit directory action, may be accomplished in accordance with leasing procedures in effect within the DCA area involved. Within the Western Hemisphere and other geographic areas where DECCO has an assigned leasing responsibility, minor rearrangements and moves should be accomplished by the use of a Commercial Communications Work Order (CCWO), DD Form 1367, provided maximum limits of CSA's are not exceeded. CCWO's cannot be used for DCTN/DSN/AUTOVON/AUTOSEVOCOM/AUTODIN service rearrangements. See reference 4a, chapter 4, paragraph 8, for details on use of CCWO's for minor moves and rearrangements. Special CCWO procedures exist for management of PDN services; DECCO provides specific guidance for using these CCWO's in CSA's issued to PDN users.

d. Submission of U.S. Communication Requirements for Emergency Service in Foreign Areas not Subject to NSEP Procedures.¹

(1) Telecommunication requirements resulting from any of the circumstances below may be submitted as emergency requirements and afforded special handling. These services are so critical as to be required at the earliest possible time, without regard to the associated costs of obtaining the service.

(a) State of crisis declared by the National Command Authorities.

(b) Efforts to protect endangered U.S. personnel or property.

(c) Enemy action, civil disturbance, natural disaster, or any other unpredictable occurrence that has damaged facilities whose uninterrupted operation is essential to national security emergency preparedness or the management of another ongoing crisis.

¹See supplement 11 for procedures regarding submission of "Emergency NSEP" telecommunication services leased within the U.S. (i.e., 50 States, U.S. territories, U.S. possessions).

(d) Certification by the head or director of a Federal agency, commander of a unified or specified command; chief of a military service, or commander of a major military command; e.g., TAC, COMSECONDFLT, etc. (CINCEUR ONLY IN THE EUROPEAN AREA), that a telecommunications service is so critical to protection of life and property or to the national security that it must be processed immediately.

(e) Telecommunications service directly supporting Federal Government activity responding to a Presidentially declared disaster or emergency as defined in the Disaster Relief Act (42 U.S. Code 5122).

(2) The TCO will submit emergency requirements to the appropriate DCA action agency stated in chapter 4, paragraph 2, by the most expeditious means available. Emergency requirements should be sent unclassified if possible to facilitate service implementation. The Allocation/Engineering Office will be contacted during normal duty hours and the NCS/DCAOC, ACOC, or DCA field office will be contacted after normal duty hours. (See chapter 2, table 3, for points of emergency contact.)

(a) The TCO will follow up verbal TSR's within 48 hours by furnishing the DCA action agency a record copy of the TSR in the format and detail prescribed in chapter 3 to document issuance of the emergency order. The TCO will include authorization for overtime and expediting charges that may be incurred by the carrier in providing the emergency service.

(b) The DCA action agency will attempt to satisfy the requirements over existing resources, but may have to lease facilities from a commercial carrier.

(3) If the DCA activity cannot be contacted, and the emergency situation warrants the action, the TCO may place an order with a communications common carrier in accordance with the leasing procedures established for the DCS area involved. This order will authorize the activation of the required service and the expenditure of any overtime or expediting charges that may be incurred by the carrier in providing the service.

(a) The TCO will follow up this action by sending a record copy of the TSR and other actions which may have been taken to the appropriate DCS action agency within 48 hours after placing the order.

(b) On DCS service, the DCA activity will in turn issue a confirming TSO to the leasing activity within 24 hours after receipt of the confirming TSR. The leasing activity will, upon receipt of the confirming TSO, issue a confirming order to the carrier.

(4) ACOC's may receive requests for emergency service from non-DoD agencies. These requests will be forwarded to NCS/DCAOC for action, or will be fulfilled from existing resources, if available, and the NCS/DCAOC will be informed of the action taken.

e. Submission of Communication Requirements for Urgent Service in Foreign Areas not Subject to NSEP Procedures.²

(1) An urgent requirement is one which, due to the urgency of the need for the service, does not allow normal leadtimes for TSR processing. The lack of service by the required date will have one or more of the following consequences:

(a) Seriously degrade mission performance and operations in direct support of national security emergency preparedness.

(b) Seriously degrade or impair the execution of "real world" military plans or intelligence operations.

(c) Seriously degrade or impair the ability of the United States to maintain favorable foreign relations.

(2) Poor planning is not a valid reason for requesting urgent action.

(3) At all levels, urgent requirements will be processed before routine requirements on a first-come-first-served basis. Officially, tariffs do not recognize urgent requirements and normal leadtimes generally apply once an order is submitted to the carrier or vendor.

(4) The following temporary exercise telecommunication service may be designated as an "Urgent Operational Requirement" (See chapter 4, par 3j):

(a) The minimum quantity of services essential to permit safe conduct of an exercise or achievement of primary exercise objectives or both. Only those services in support of exercises which involve the movement of personnel, weapons systems, munitions, or other critical materials or the control of aircraft are included.

(b) Short-notice exercise services resulting from changes in exercise locations or scenarios which could not reasonably have been foreseen, and without which the exercise cannot be conducted safely or effectively.

(5) An urgent RFS or TSR must contain the following information or the requirement will be processed as routine:

(a) Justification in item 417 that meets the criteria stated above. In addition, certification by the Commander or designated officer of the requester's major command of the urgency of the requirement to include the name, position, and telephone number of the certification authority. (Certification authority will not be delegated below major command Directorate or equivalent level.)

²See supplement 11 for procedures regarding submission of "Essential NSEP" telecommunication services leased within the U.S. (i.e., 50 States, U.S. territories, U.S. possessions).

(b) Authorization for overtime and expediting charges for leased services (if applicable).

(c) A statement in item 417 that the TCO has reviewed the requirement with the requesting activity and found it to be a valid urgent requirement.

(6) For urgent requirements which specify DCS routing, recommend that an alternate circuit be identified and submitted for preemption in case DCS resources are not available.

f. Pre-Positioned Contingency Requirements. Unified and specified commands, major commands, Defense and other Government Agencies can preposition telecommunications requirements in support of JCS-approved operational contingency plans with the appropriate DCA action agency. The DCA action agency will initiate action necessary to preposition the requirement at the DCS station level or with commercial carrier through DECCO, or other leasing activity if required. Commercial carriers do not reserve or engineer facilities upon receipt of the pre-positioned inquiry, but they maintain it on file to facilitate activation upon request of the designated activation authority. These requirements will be processed as detailed below.

(1) Request for service (RFS) or a change to a previously submitted RFS will be submitted to the appropriate TCO in accordance with the TCO's RFS format and procedures. The supported OPLAN and the fact that the RFS is for contingency service will be specified in the RFS.

(2) Upon receipt of the RFS, the TCO will:

(a) Review the requirement.

(b) Submit a TSR in accordance with chapter 3, this Circular. The TCO should ensure the following items are included:

1. Item 112 contains "COTGNCY RQR."
2. Item 118 contains overtime authorization, if required.
3. Item 415B contains the OPLAN number.
4. Item 417, when required, should contain information concerning preemption of other circuits. In addition, if new leased services are involved and some part of the information is not for release to carriers, ensure that the TSR specifies which information may not be released to commercial carriers.

(c) When requested by the DCA action agency, determine the circuit or circuits to be preempted for the new service.

(3) Upon receipt of the TSR, the DCA action agency will:

(a) Review the TSR.

(b) Determine routing; if routing is available, issue the TSO.

(c) If complete routing cannot be determined due to nonavailability of spare channels, notify the ordering TCO of channels available for preemption. NOTE. When it is necessary to preempt the service of another TCO, the TCO with the preempting requirement will obtain concurrence from the preempted TCO or area CINC if required, prior to notifying the DCA action agency of action taken.

(4) Upon receipt of the TSO, the stations along the route of the circuit will:

(a) Implement the circuit configuration contained in the TSO to the maximum extent possible.

(b) Label patch bays and boards the same as other circuits; flag to indicate contingency requirement (IAW station SOP).

(c) Enter circuit in station records and logs the same as other circuits; flag as "contingency requirement."

(d) Report in accordance with instructions contained in the TSO.

(e) File a copy of the TSO in the appropriate OPLAN file.

(5) Upon receipt of the TSR, TSO or both, DECCO or other designated communications service leasing activity will:

(a) Review the document(s) to determine if a new lease is required.

(b) If new lease is required, review the document(s) to determine if some of the information cannot be released to a commercial carrier; ensure that only that portion of the requirement needed to obtain the service is released.

(c) Issue an inquiry to appropriate carrier(s), to include a request for the following information:

1. Availability of facilities.
2. Approximate time required for activation.
3. Circuit cost.

(d) Upon receipt of the quote, advise the TCO of the information obtained.

(e) Upon receipt of a go-ahead from the TCO, issue a pre-positioned order with appropriate carrier. The order is to include authorization for overtime and expediting charges (to include dollar amount authorization if applicable) as shown in the TSO.

(f) Furnish authorized activators with the inquiry number, name, address, and telephone number of carrier personnel to contact for activation.

(g) File a copy of the TSR, TSO or both in the appropriate OPLAN file.

(6) To activate all or a portion of the circuits for a given OPLAN the following applies:

(a) Requesting activity notifies the appropriate ACOC or DCAOC, Washington DC, Code N240, by message or telephone of the services desired.

(b) The ACOC or DCAOC (N240) will notify, by message or telephone, affected DCS stations, DECCO, DECCO field activities, or other leasing activities as required.

(c) For leased service, an authorized activator (DECCO, DCAOC, the user) may contact the carrier directly to initiate service installation. In any case the carrier will engineer and provide the service as soon as possible. The installation interval may be a few hours, days, or longer depending on availability of equipment and facilities. Within 2 working days after activation request, the carrier will provide DECCO a confirming quotation, and DECCO will issue a confirming order to provide a contractual basis for the service. DECCO requires commands and agencies with pre-positioned requirements to revalidate them annually. Pre-positioned contingency requirements will not be activated for exercise purposes. Normal TSR action is required for all exercise requirements.

(7) To revert all or a portion of circuits for a given OPLAN to inactive status, the notification sequence indicated in paragraph 2f(6) applies.

(8) All pre-positioned requirements, leased and Government provided, must be revalidated annually.

(9) Normal procedures will be followed to discontinue a pre-positioned contingency requirement.

(10) A copy of each RFS, TSR, and TSO pertaining to contingency pre-positioned requirements will be forwarded to DCAOC Washington DC, N240, for information.

g. Request for Reconfiguration of DCA Switched Networks.

(1) Responsibilities.

(a) Headquarters, DCA, Voice Operations (Code B500) is responsible for management control and operational direction of the DCS switched networks DSN, DCTN, AUTOVON, and AUTOSEVOCOM.

(b) Data Systems (Code B600) is responsible for management control and operational direction of the DCS data switched networks AUTODIN and DDN. This responsibility includes the evaluation of proposed changes in the configuration of the data switched networks worldwide, as well as configuration management for system software, hardware, intra- and interarea interswitch trunk circuits and associated equipment.

(2) Procedures. DCA action agencies and military departments assigned operating responsibility for leased or Government-owned switching centers will submit recommendations pertaining to the addition, deletion, or reconfiguration of either trunk circuits or equipment within switching centers of the DCS switched networks to Director, DCA, ATTN: Code B643, Code B500, or Code B650, as applicable, for consideration and evaluation. Recommendations for changes that will improve the service or effect cost savings are solicited. Action to implement approved recommendations will be initiated at Headquarters, DCA.

h. Requests for Orderwires. Operating and maintenance (O&M) elements will submit all requests for orderwire network changes, deletions, and additions directly to the DCA area Telecommunications Certification Office (TCO) for validation and TSO action. DCA Europe, DCA Pacific, and DCA TMSO are designated as the TCO's for all DCS orderwire circuit requirements within their respective areas of responsibility. All orderwires shall be engineered, configured, and installed in accordance with reference 4q.

i. Requests for Critical Control Circuits. Requests for critical control circuits, to be used in support of the DCA Operations Control Complex (DOCC), will be submitted by the affected DCA area or region control center to the Director, DCA, ATTN: Code B240, for validation and subsequent allocation.

j. Requests for Information for Planning Purposes. To request data needed for information or planning purposes, submit a TSR in accordance with chapter 3, entering "Developmental" in TSR item 103. Developmental TSR's will not be submitted to obtain information on individual circuits or equipments which are tariffed or listed in catalogs available from local contractors. Also, Developmental TSR's shall only be submitted when there is a reasonable expectation of acquiring the service, equipment, or system specified.

(1) If the request is for non-DCS service, submit the TSR directly to DECCO (see chapter 4, paragraph 3e). DECCO will issue a developmental inquiry, when required, to commercial sources in accordance with reference 4a, and provide the subsequent information to the TCO.

(2) Submit TSR's for DCS service for action to the appropriate DCA circuit allocation and engineering activity. The DCA action agency will determine if DCS facilities or multiplexing application is available to satisfy the requirement, and coordinate such capability with the TCO before issuing a developmental TSO, if required, to DECCO. DECCO will forward resulting commercial lease information to the DCA action agency and to the TCO. The DCA action agency will review the lease data in relation to the multiplex capability and provide guidance to the TCO if alternative approaches could satisfy the requirement. If service is to be provided, a new TSR must be issued.

k. Submission of Requests for Reaward. TCO's will submit reaward TSR's to reaward existing and expired contracts, to the appropriate DCA Action Agency (see figure 24 of this Circular). Reaward TSR's will contain the same information required for a start TSR except that TSR item 103 (type action) will contain the word "Reaward" and TSR item 101 will contain a new TSR number. If the contract is awarded to the incumbent contractor, DECCO will update the data files to show the new CSA number and contract effective and expiration dates. DECCO will then notify all concerned of the new data using the CLAM. If the contract is awarded to a new contractor, DECCO will issue the new information via a CLAM and will issue the necessary commercial disconnect orders upon receipt of an In-Effect Report from the customer.

l. Submission of Requirements for Other Than Full and Open Competition. When the acquisition of a telecommunications service is being requested without full and open competition, or a specific make/model of equipment is specified, a justification with technical and management certifications must be provided in TSR Item 406. Such justification and certifications are required by Federal Acquisition Regulation (FAR) 6.303 and Department of Defense FAR Supplement (DFARS) 6.303-1(B)(70). Each justification shall include (1) sufficient facts and rationale to justify the use of specific authority cited and (2) technical and management certifications that the Government's minimum needs and/or schedule requirements (or other rationale used as the basis for the justification) have been reviewed and are deemed accurate and complete. If the use of specific make/model of equipment cannot be justified, the minimum technical requirements/specifications for the equipment shall be provided in TSR Item 407. When a justification for Other Than Full and Open Competition (OTFAOC) for a service, equipment, or system requires lengthy documentation, it may be submitted as a separate document. When a separate document is submitted, TSR Item 406, "Justification for Other Than Full and Open Competition" shall contain the statement, "Justification for OTFAOC to be provided under separate cover". Such requirements will not be processed until justification for OTFAOC is received by DECCO. Information required in TSR Item 406 depends on whether the telecommunications requirement is an individual requirement or part of a system that is covered by an approved class justification for OTFAOC. If the requested service is part of a system that is covered by an approved class

justification for OTFAOC, item 406 should identify the class justification and the date of the class justification. If the telecommunications service requires an individual justification, as a minimum, the following information shall be included in the justification statement provided in TSR Item 406:

(1) Identification of the requiring agency/command and the applicable contracting activity (i.e., DECCO).

(2) Nature and/or description of the action being approved (i.e., type of contract action: new requirement, change to existing contract, follow-on contract, etc.)

(3) A description of the supplies or services required to meet the Agency's needs (or refer to TSR item 407). The estimated dollar value of the supplies or services, based on the service life (including any optional items or service extensions requested), together with details indicating how the estimated value was determined, shall be included.

(4) An identification of the statutory authority permitting other than full and open competition, which must be one of seven circumstances identified in FAR 6.302.

(5) A demonstration that the proposed contractor's unique qualifications, or the nature of the acquisition, requires use of the authority cited above in paragraph 1(4).

(6) A description of the market survey conducted and the results, or a statement of the reasons why a market survey was not conducted.

(7) Any other facts supporting the use of other than full and open competition, such as:

(a) Explanation of why technical data packages, specifications, engineering descriptions, statements of work, or purchase descriptions suitable for full and open competition have not been developed or are not available.

(b) An estimate of the cost to the Government that would be duplicated and information regarding how the estimate was derived, shall be provided when FAR 6.302-1 ("only one responsible source and no other supplies or services will satisfy agency requirements") is cited for follow-on acquisitions as described in FAR 6.302-1(A)(2)(II).

(c) Data, estimated cost, or other rationale as to the extent and nature of the harm to the Government, shall be provided when FAR 6.302-2 ("unusual and compelling urgency") is cited.

(8) A listing of sources, if any, that expressed, in writing, an interest in the acquisition.

(9) A statement of the actions, if any, the agency may take to remove or overcome any barriers to competition before any subsequent acquisition is accomplished for the supplies or services required.

(10) Technical certification: "I certify that the data contained in this justification for other than full and open competition is complete, accurate, and correctly specifies the Government's minimum needs and/or schedule requirements." Provide name, rank, and title of individual who accomplished the technical certification.

(11) Management certification: "I certify that this justification for other than full and open competition has been reviewed and approved at an appropriate management level in accordance with agency procedures prior to submission of this TSR." Provide name, rank, and title of individual who accomplished the management certification."

3. Requirements Necessitating Additional DCS Government-Owned Facilities for Their Fulfillment.

a. Military departments assigned operating responsibility for Government-owned portions of the DCS are responsible for providing Government-owned equipment and supplies required to install, terminate, condition, test, operate, and maintain such portions of the system in a manner that meets transmission standards for the worldwide DCS. The responsibility includes DCA Government-owned channels and interface equipment that are used to extend leased channels.

b. In the day-to-day process of acting on Telecommunications Service Orders (TSO's), DCS stations and technical control facilities may become aware that items of equipment needed to condition or make circuits operational are not on hand or are becoming in short supply. In these instances, DCS stations involved will take the necessary action prescribed by the parent military department directives to obtain the required equipment. Such actions should be processed upward to the O&M commands. If DCA assistance is needed by the O&M commands in locating available items of equipment, advise the Director, DCA, ATTN: Code B240, who will request the appropriate military department to provide the equipment. The military department will reply to this request within 30 days, indicating what action has been taken.

c. Certified, programed, or anticipated telecommunications requirements may be of such magnitude as to require expansion of Government-owned DCS facilities. DCA action agency commanders will monitor the use of facilities, correlate requirements to availability of facilities and, when necessary, submit a Subsystem/Project Plan to Director, DCA, ATTN: Code B100, who will obtain the necessary approvals and concurrences and forward the plan, with further implementing instructions as necessary, to the appropriate military department for action.

4. Disposition of DCS Resources.

a. Telecommunications facilities established under the procedures outlined in this Circular, which interface with the DCS, are subject to the operational direction and management control of the Director, DCA, under the provisions of reference 4f. When these facilities are no longer required, they will be reported through established TCO channels to the appropriate DCA action agency for discontinuation. (See chapter 4.)

(1) Government-owned DCS telecommunications facilities will not be deactivated until instructions are received from the appropriate DCA action agency to deactivate the facilities as operating components of the DCS. Government-owned equipment becoming excess as a result of deactivation or discontinuance of DCS telecommunications facilities will be disposed of in accordance with procedures prescribed by the department, office, agency, or command that provides the equipment and reference 4i.

(2) Requirements to deactivate (discontinue) leased communications facilities, services, and equipment will be processed in the same manner as prescribed for their installation. All requirements to discontinue leased DCS general-purpose circuits or facilities, or facilities which are channelized or have multiple user assignments, will be submitted by the appropriate TCO to the appropriate DCA action agency for necessary action. Common switching facilities and circuits of the DCS switched networks will be deactivated or reconfigured only by direction of Headquarters, DCA. (For leadtime see chapter 4, tables 12 and 13.)

b. A DCA action agency may, after consulting with the appropriate TCO, cancel a DCS allocation if the facility is not activated by the user within 30 days after the service is made available. This action will be accomplished as follows:

(1) A discontinuance TSO, with an effective date of 15 days from date of issuance, will be addressed to the appropriate TCO and all addressees shown on the start TSO.

(2) The allocation will be canceled on the date shown in the TSO, unless the TCO takes action to activate the facility or coordinates a change in start date with the DCA action agency. In the latter case, the TCO will also submit an amendment to the TSR under which the service was originally requested.

5. Reallocation of DCS Resources to Meet New Service Requirements. If a new service can be provided by the rearrangement of existing DCS circuits, Headquarters, DCA, or the DCA action agency, as applicable, after coordination with the appropriate TCO, will provide the service on this basis unless additional leased costs are involved. If additional leased costs will be involved, the DCA action agency will review this cost consideration with the TCO requesting the new service. If the TCO determines that the requirement warrants the action, the TCO may make necessary funding arrangements with other applicable TCO's to permit the rearrangement action to be accomplished. When this action is taken, the TCO's involved must review all circuit restoral priorities for proper assignment and resolve any conflicts prior to submitting the TSR.

6. Public Data Network Performance Specifications (PS). For new PDN network service requirements, the TCO must submit a PS directly to DECCO Scott or DECCO Europe in addition to the TSR which must be submitted to DCA TMSO or DCA Europe. DECCO provides TCO's a Guide for PDN Performance Specifications and is available to assist in developing the PS.

7. Requirements Which Cannot be Fulfilled. If all existing channels between two points are allocated and reallocation or leasing action cannot fulfill the requirement, the following steps will be taken by the DCA action agency:

a. Respond to the TCO and suggest alternate methods of meeting the requirement; e.g., use teletypewriter instead of voice, use the DCS switched network instead of a dedicated private line, etc. (See TSR item 509.)

b. Suggest to the originator the turndown of an existing circuit and its reuse to meet the requirement when the user has other circuits over the same path.

c. Query the customers who have numerous circuits over the same path or to the same points, and request a review of existing circuits with a view of volunteering the release of a circuit, where possible.

d. Refer the requirement with recommendations through channels to a military department, CINC of the unified or specified command, or JCS, as appropriate, for resolution.

e. Refer requirements from non-DoD agencies to the DUSD (C³I) for resolution.

f. Refer all unfilled requirements to Headquarters, DCA, ATTN: Code B100, with an information copy to DCA, ATTN: Code B240.

8. Unified or Specified Command Approval. JCS policy regarding the authority and responsibilities of unified or specified commanders over the communications resources within their respective areas of responsibility is contained in reference 4i. TSR's submitted for requirements of circuits or channels which traverse or terminate within the area of responsibility of a unified or specified commander will contain a reference to the concurring message, letter, or other document of that commander, or will be addressed to the CINC at the same time the TSR is submitted to DCA action agencies.

a. Where the requirements of a unified or specified command, military service, or DoD agency traverse the system or use the resources within the area of another unified or specified command, the allocation of communications resources for dedicated use and the assignment of the restoration priority will normally be accomplished through mutual agreement of the unified and specified commands, military departments, or DoD agencies concerned.

b. Where the availability of communications facilities is extremely critical and a mutually satisfactory agreement on the use of systems and facilities cannot be achieved by the unified or specified commands, military departments, or DoD agencies concerned, the matter will be referred to the JCS for resolution.

c. Referral of cases to the JCS may be made by a joint communication from the unified or specified commands, military departments, and DoD agencies concerned, or by the agency involved. Information to be submitted will include the following:

- (1) Operational mission requiring communications support.
- (2) The specific communications support resources required to support the mission.
- (3) The availability or use of existing communications facilities which could be used to support the requirement.
- (4) The position of each unified or specified command, military department, or DoD agency concerned with respect to the communications requirement.
- (5) Statement of reason why common user communications can or cannot be used to satisfy the requirement.
- (6) Statement of the impact if communications required are not provided.

9. NCS Circuit Restoration Priority (RP) Certification Procedures.

- a. The Assistant Manager, NCS-EP will certify and account for the RP of each TSR within 72 hours by issuance of a certification message to the responsible TCO and all original TSR addressees. The TCO should contact NCS in the event of nonreceipt of the RP certification message.
- b. If there is disagreement by NCS-EP on a requested RP and a change to the RP is required, the TCO will issue a change or amendment TSR. DCA activities will respond to these change or amendment TSR's the same as to any other change or amendment.
- c. The procedures for processing TSR's to TSO's, or TSO's and TSR's to leasing orders, are unchanged, except as follows:
 - (1) TSR's will be processed as soon as possible after receipt without waiting for an NCS RP certification message.
 - (2) The RP certification status code "N" will be entered in paragraph 2b of each TSO indicating this is the requested RP, not as yet certified by NCS-EP.
 - (3) Leasing orders will indicate the requested RP.
- d. DCA action agencies will:
 - (1) Review and assign restoration priorities to package systems in accordance with reference 4r.
 - (2) Review restoration priorities on circuits for which DCA is the TCO.

(3) Provide ADP assistance, if requested, to unified commanders to aid in conducting overall restoration priority reviews.

(4) Issue TSO's and enter CINC-validated, NCS-certified restoration priorities in the data base.

10. Completion Reports.

a. Use. A completion report (CRP) is required for every TSO issued, unless specified differently in the TSO (e.g., AUTODIN Action Notices (AAN's) submitted in accordance with DCAC 310-D70-30 constitute an in-effect report, and no separate report under this circular is required.) In the case of TSR's for leased equipment only, TSO's are not issued. In these cases completion reports will be submitted as directed in the TSR. The report tells the office that issued the order that action has been completed or that additional action may be required. Three different reports have been devised to cover all situations. They are designed to be processed by computer insofar as possible. Therefore, the formats must be followed precisely. These reports are exempt from reports control under the provisions of DCAI 630-225-2, Information Requirements Management.

b. Submission. Completion reports will be submitted by AUTODIN (if available) directly to the originator of the TSO and all addressees on the TSO. Include only one type of report in any one message; i.e., do not submit an in-effect report and exception report in the same message.

c. Format. Entering the appropriate DCA activity as shown on the TSO, which should follow one of the examples below (with content indicator code (CIC) DJBT), will help to ensure the reports are correctly routed for further processing.

DCA TSR-TSO-CRP TRAFFIC WASHINGTON DC

DCA TMSO TSR-TSO-CRP TRAFFIC SCOTT AFB IL

DCA EUR TSR-TSO-CRP TRAFFIC VAIHINGEN GE

DCA PAC TSR-TSO-CRP TRAFFIC WHEELER AFB HI

d. Types of Completion Reports.

(1) In-Effect Report. The station or activity designated in the TSO will, within 72 duty hours (based on 24-hour workday not including weekends and holidays) of completion of action on the TSO, forward an in-effect report directly to the originator and all addressees of the TSO. This report will be submitted either when the service is provided end-to-end and accepted, meets all details of the TSO, and meets all technical parameters of the specified technical schedule, or to clear previously submitted exception or delayed service reports. One service will be covered by one in-effect report. Examples of in-effect reports are shown in supplement 1. In-effect reports will contain the following information:

(a) Subject: In-Effect Report, or Multiple In-Effect Report.
(Submit multiple report only if TSO was multiple.)

(b) Reference: Identification of the message forwarding the TSO.

(c) Item 1: Complete TSO number.

(d) Item 2: TSR number from TSO paragraph 2N.

(e) Item 3: CCSD or trunk ID from TSO paragraph 2A.

(f) Item 4: Commercial carrier and commercial circuit number from TSO paragraph 3X2A or other sources, or enter NA.

(g) Item 5: Type action from TSO paragraph 2C.

(h) Item 6A: Date, time, month, and year of completion of action.

(i) Item 6B: Date, time, month, and year commercial service was provided, or enter N/A when no commercial service has been requested.

(j) Item 7: Remarks. Note any administrative comments or minor changes authorized under chapter 2, paragraphs 2b and 2c, of this Circular.

(k) Item 8: Point of contact. Name, organization, and AUTOVON/commercial telephone number of person submitting the in-effect report.

(2) Exception Report. The station or activity designated in the TSO will, within 72 duty hours (based on 24-hour workday not including weekends and holidays) of completion of action on the TSO, submit an exception report if end-to-end service is provided and accepted with some exceptions to, or deviations from, the details of the TSO or technical parameters of the specified technical schedule. Prior to accepting service, the designated station or activity will advise the TSO-issuing authority of those technical parameters failing to meet established standards, who will in turn advise the station or activity if service is to be accepted with these exceptions. Exception reports will be forwarded directly to the originator and all addressees of the TSO. Exception reports must be followed by an in-effect report when the exceptions are cleared. Examples of exception reports are shown in supplement 2. Exception reports will contain the following information:

(a) Subject: Exception Report or Multiple Exception Report.
(Submit multiple report only if TSO was multiple.)

(b) Reference: Identification of the message forwarding the TSO.

- (c) Item 1: Complete TSO number.
- (d) Item 2: TSR number from TSO paragraph 2N.
- (e) Item 3: CCSD or trunk ID from TSO paragraph 2A.
- (f) Item 4: Commercial carrier and commercial circuit number from TSO paragraph 3X2A or other sources, or enter NA.
- (g) Item 5: Type action from TSO paragraph 2C.
- (h) Item 6A: Date, time, month, and year of completion of action.
- (i) Item 6B: Date, time, month, and year commercial service was provided, or enter N/A when no commercial service has been requested.
- (j) Item 7: Exception code from chapter 2, DCAC 310-65-1.
- (k) Item 8: Rationale (mandatory). Enter narrative remarks to include which items are not as specified in the TSO; reason allocated channel was changed; a statement of which parameters could not be met with actual readings compared to required readings; identification of the authority or activity that authorized acceptance of substandard service;³ statement of which specifications could not be measured, with reason and location; lack of response by a commercial carrier by name and location; proposed corrective action, if any, with estimated date and time for completion of corrective action; and any other remarks which will explain the exceptions.
- (l) Item 9: Point of contact. Name, organization, and AUTOVON/commercial telephone number of person submitting the exception report.

(3) Delayed Service Report.

- (a) If leasing actions are involved:

1. The station or activity designated in the TSO to report on or accept the circuit will contact the local sales office of the vendor providing the service 5 working days prior to the scheduled service date to ascertain that the service date will be met.

³Operational traffic must not be placed on new commercial circuits that fail to meet the technical parameters and that are not accepted on behalf of the U.S. Government, unless prior approval is received from the TSO-issuing authority. Such use may obligate the U.S. Government to pay for the service even though it is substandard.

2. If the commercial vendor indicates the service date cannot be met due to vendor difficulties, a delayed service report will be telephoned to the TCO by the station or activity designated in the TSO to report on or accept the circuit. The TCO will telephonically advise DECCO or the appropriate DECCO field activity. The verbal report will be confirmed by message in supplement 3 format to the TCO, the originator, and all addressees of the TSO within 72 hours.

3. If the established service date cannot be met due to governmental causes, a delayed service report will be transmitted by the CCO or TSR/TSO designated activity for reporting on or accepting the circuit. This report will be sent to the TCO, originator, and all addressees of the TSO, as soon as the inability to meet the required service date is known. When facilities permit, this message report will be preceded by a verbal notification to the TCO, which will issue an amended TSR reflecting the new or revised required service date.

(b) If leased services are not involved:

1. When the established service date cannot be met due governmental cause, the CCO or the TSR/TSO designated activity for rep on or accepting the circuit will submit a delayed service report. This report will be sent to the TCO, the originator, and all addressees of the TSO. It will be sent as soon as the inability to meet the required service date becomes known. When facilities permit, this message report will be preceded by a verbal notification to the TCO.

2. If the forecasted delay as reported in item 8 of the delayed service report is excessive; e.g., unknown, a report will be submitted each 30 days until a firm date is established. The problem may be resolved by exceptional procedures as outlined in paragraph 4b of this chapter.

(c) Delayed service reports must always be followed by either an in-effect report or an exception report.

(d) Examples of delayed service reports are shown in supplement 3. Delayed service reports will contain the following information:

1. Subject: Delayed Service Report or Multiple Delayed Service Report. (Submit multiple report only if TSO was multiple.)

2. Reference: Identification of the message forwarding the TSO.

3. Item 1: Complete TSO number.

4. Item 2: TSR number from TSO paragraph 2N.

5. Item 3: CCSD or trunk ID from TSO paragraph 2A.

6. Item 4: Commercial carrier and commercial circuit number from TSO paragraph 3X2A or other sources, or enter NA.

7. Item 5: Type action from TSO paragraph 2C.

8. Item 6A: Date, time, month, and year specified in TSO paragraph 2D.

9. Item 6B: Date, time, month, and year commercial service was provided, or enter N/A when no commercial service has been requested. This information is required even if the service, end-to-end, is not established. This information will be used by DECCO for billing purposes when a leased service is provided/accepted and the U.S. Government is obligated for payment, and by the TCO/TSO preparing office to determine whether or not the leased service should be discontinued and restarted at a later date. Every effort must be made to amend TSR and TSO service dates to preclude unnecessary expenditures (See ch. 2, par. 10d(3)(a)3).

10. Item 7: Delayed service code from chapter 20, reference 4b.

11. Item 8: Date, time, month, and year service is expected to be provided, or enter UNKN.

12. Item 9: Cause (mandatory). If the delay is attributable to a commercial carrier, enter the reason for delay provided by the carrier and the name of the company; if user equipment or facilities are not installed or capable of operation, so state; enter any other amplifying remarks which will explain the delay.

13. Item 10: Point of contact. Name, organization, and AUTOVON/commercial telephone number of person submitting the delayed service report.

11. Acceptance Report. The activity exercising a new purchase option will, after completing an inventory of equipment purchased, submit a certified acceptance report, signed by a responsible Government official, to DECCO, authorizing payment for the equipment.

TABLE 3. NATIONAL COMMUNICATIONS SYSTEM/
DCA OPERATIONS CENTER COMPLEX
LOCATIONS AND POINTS OF CONTACT

TITLE AND LOCATION	TELEPHONE NUMBERS	
<u>NATIONAL CENTER</u>		
	<u>COMMERCIAL</u>	<u>AUTOVON/DSN</u>
NCS/DCAOC Washington, DC (Contact for inter-DCA Area and Western Hemisphere matters)	(202) 692-2714	222-2714
<u>AREA CENTERS</u>		
DCA-Europe Vaihingen, Germany	Patch Military 8435-5244	314-395-8845 314-396-4867 314-430-8435/8555
DCA-Pacific Wheeler AFB, Hawaii	(808) 656-2777 (808) 656-2783	315-456-2777 315-456-2783 315-456-2784 (DSCS)
<u>REGIONAL CENTERS</u>		
DCA-Alaska Field Office Elmendorf AFB, Alaska		317-943-1212
DCA-Northwest Pacific Yokota AB, Japan		315-221-1245 315-225-4155
DCA-Southwest Pacific Clark AB, Philippines		315-894-9290 315-894-6167
DCA-Korea Field Office Yongsan, Korea		315-262-1101 (SBD) ext 3426/6973

CHAPTER 3. FORMAT OF TELECOMMUNICATIONS SERVICE REQUEST (TSR) AND DETAILED PREPARATION PROCEDURES

1. General. Requirements for telecommunications service will be validated in accordance with the policies and procedures of the user's parent command. TCO's will prepare Telecommunications Service Requests (TSR's) in accordance with the procedures and format contained in this Circular. All TSR's will be submitted in itemized format to DCA activities according to flow charts in chapter 4.

2. Telecommunications Service Request.

a. Telecommunications Service Requests (TSR's) will be submitted to the applicable DCA action agency (see chapter 4) and concurrently to the NCS and applicable approving CINC using the format prescribed herein. The TSR is divided into six numbered sequences.

- (1) Item 101 sequence. General Technical Information.
- (2) Item 201 sequence. DSN/AUTOVON/DCTN/AUTOSEVOCOM Service Information.
- (3) Item 301 sequence. AUTODIN MSU Service Information.
- (4) Item 352 sequence. DDN Service Information.
- (5) Item 401 sequence. Narrative Information.
- (6) Item 501 sequence. Justification and Approvals.

b. The itemized format permits computer processing of TSR's to TSO's. The TSR sequence item number is the key used by computer software to transfer information from specific TSR items to specific TSO paragraphs. (See supplements 9 and 10 for TSR item to TSO paragraph correlation table.) The sequence of the format and its success in improving response time to the TCO's requirement depend upon completeness and accuracy in the construction of the TSR. The TSR submission matrix shown in supplement 8 should be used to identify the particular TSR items which can apply to specific types and categories of service requests.

c. TSR worksheets be prepared locally. The sample shown in supplement 7 may be used as a guideline. Circuit option data must be exactly as shown in the sample.

3. Submission of TSR's.

a. Except as contained in chapter 1, paragraph 3a, only complete, validated TSR's submitted by the TCO's shown in chapter 1, table 1, will be processed. Activities should not forward information copies of feeder TSR's or TSR input data to DCA, but only to the TCO's for certification.

Requirements will be certified in accordance with policies and procedures of the TCO's parent command.

b. This chapter provides instruction related to the final preparation of the TSR by the TCO. Further implementation of this chapter toward enabling TCO's to obtain information for TSR's is a responsibility of the TCO.

c. Only pertinent data items need be transmitted. If the item is not applicable or appropriate to the service request, do not submit the item. Missing sequence item numbers on received TSR's will be assumed to be "NA." However, to preclude TSR processing delay, ensure that the data provided are complete and accurate. (See supplement 8 for TSR item submission matrix.)

d. TSR's for rehomes, changes to circuits, and amendments to TSR's will be forwarded in the same manner as the initial TSR. (See paragraph 4 of this chapter.) Changes and TSR amendments are defined as follows:

(1) A TSR amendment is a modification to a TSR. It can be submitted only prior to implementation of the service requested in the basic TSR (i.e., before an in-effect/exception report has been submitted). As an example, a TSR amendment can be submitted even though the Telecommunications Service Order (TSO) has been issued, provided the service requested in the initial TSR has not yet been provided. A TSR amendment is identified by adding a letter suffix (i.e., "A" through "Y") to the basic TSR number and the words "AMEND TSR" in item 103. Reference basic TSR and previous amendment date-time-group in message. Include CCSD in item 107 if known. To rescind a previously issued amendment, item 103 will reflect "AMEND TSR" and the next sequential TSR number amendment suffix will be used.

(2) A change is a modification to an existing service or circuit configuration. Any modification of an existing circuit or service that has been accepted for use (in effect) must be submitted as a change TSR. A change is identified by a new TSR number. It is imperative that item 107 (CCSD) and item 116 (CSA number) be filled in to identify existing service. RP changes must be submitted to NCS IAW chapter 4, paragraph 3f. All changes to leased service must be within the terms and conditions of the existing contract. If not, separate discontinue/start or reaward TSR's must be issued.

e. Because of computer program restrictions, no preamble or introductory information appearing prior to item 101 can be processed; narrative or descriptive information should be submitted in the appropriate TSR item. The number of lines adjacent to each unformatted item number is not meant to be restrictive. However, narrative should be as brief and concise as practicable. Each line of narrative, after the first, must start with an alphabetic character.

f. When options are available on the TSR worksheet, use the applicable option. If a unique service is required and not identified as an option, explain the unique requirement by narrative in item 417.

g. Only one character or symbol can be entered in a block on the TSR worksheet.

h. All TSR's submitted to a DCA action agency will be unclassified. If classified information is required to describe a requirement, the classified portion will be forwarded under separate cover, classified accordingly. The TSR item to which the information pertains will indicate "ADDITIONAL INFORMATION PROVIDED UNDER SEPARATE COVER." See chapter 1, paragraph 4h, for additional information.

i. Each service action must be submitted as a separate TSR and be identified by a separate TSR number. However, for transmission purposes, TSR's are categorized as single or multiple related. A single TSR is one which is contained in a single message or letter. Multiple-related TSR's are groups of TSR's which are similar with the majority of TSR items identical; e.g., locations, type service, etc. Such TSR's may be submitted in a single message as a multiple TSR. Multiple TSR's must be for the same type of action; e.g. all starts, all discontinues, etc.

j. The subject line of the TSR message or letter must contain either:

(1) Telecommunications Service Request (for a single TSR in one message or letter).

(2) Multiple TSR (for several related TSR's in one message or letter).

k. When a multiple TSR is submitted, the first TSR must be complete. Second and subsequent TSR's need contain only that information which differs from the first TSR in the message. Computer techniques will prepare a complete TSR; therefore, if the item was stated in the first TSR and omitted in the second TSR, the computer will consider it as being required. If the item is stated in the first TSR and is not desired in the second TSR, enter the exact paragraph number and state not applicable; e.g., "116. NA." If the information for an item differs from that in the first TSR, simply list the item number and the new information. This is not additive information, but a complete replacement for information previously provided in the basic TSR.

l. To amplify submission instructions, examples of electrical messages containing TSR's are shown in supplements 4, 5, and 6. Note that the subject of the message is precise and is preceded by the word "SUBJ" for computer recognition. Also note that each item is also precise; e.g., "103. START," consisting of the item number, a period, one space, followed by data. Note also that all item numbers are left justified or aligned on the left margin of the message.

4. Transmission of TSR's. TSR's will be transmitted in the following ways:

a. Electrical Message. The worksheet, supplement 7, is designed as an aid in the preparation of TSR messages. DCA's in-house computer processing programs have been designed to react to electrical message TSR input; therefore, this is the preferred method of receiving TSR's. TSR's received

in any other manner require manual processing with a possible delay in the processing cycle. When preparing the TSR worksheet, complete only those items appearing to the left of the center line which are essential to define the required service. All item numbers must be left justified (aligned along the left margin) with a length not to exceed 69 characters. The TSR message may be transmitted over AUTODIN in language media format (LMF) or tape-to-tape (TT), card-to-tape (CT), or card-to-card (CC). This method of transmission will cause the TSR to be entered directly into DCA and DECCO computers and, therefore, will cause the least amount of delay in processing.

b. Mail. The TSR may be prepared in the prescribed format and mailed under the following circumstances:

- (1) During periods when MINIMIZE has been imposed.
- (2) When lengthy statements of work (SOW's), technical or performance specifications, or narrative descriptions must be included.
- (3) When the TCO has no access to record type communication services.

c. Addresses for TSR's. Addresses for DCA action agencies to which TSR's should be addressed follow. Enter these addresses as shown below on message forms. Content Indicator Code (CIC) "DJBT" must be entered in the CIC block of DD form 173 to route the TSR to the proper computer system. (Messages other than TSR/TSO/CRP formatted traffic will not process properly if sent to these addressees.)

DCA TSR-TSO-CRP TRAFFIC WASHINGTON DC

DCA TMSO TSR-TSO-CRP TRAFFIC SCOTT AFB IL

DCA EUR TSR-TSO-CRP TRAFFIC VAIHINGEN GE

DCA PAC TSR-TSO-CRP TRAFFIC WHEELER AFB HI

d. Telephone. If the requirement is so urgent that none of the above methods suffices, the TSR may be transmitted by telephone. However, record confirmation must follow immediately (within 48 hours) by electrical message. The electrical message must reference the fact that the requirement was processed by telephone and must contain justification for urgent processing.

5. Detailed Instructions For Preparing TSR Worksheet.

a. General Technical Information. For correlation of related but different information elements, some individual TSR items are subparagraphed, using alpha characters to identify the subparagraphs; e.g. 415A. In

these cases the subparagraph identifier should be entered in the TSR immediately following the applicable TSR item number and should be followed immediately by a period. (See item 415 for an example.) In other cases, the alpha character is used to associate information pertaining to a given location with other information about the same location. Information to be correlated with a given location is as described in the paragraph preceding item 120.

ITEMDESCRIPTION

101. TSR Number. Telecommunications Service Request numbers are assigned by the Telecommunications Certification Office. Only valid two-character TCO identifiers from chapter 1, table 1, will be accepted and recognized. Complete 13-character packed (no spaces) TSR numbers will be used to identify TCO, date, and serial number of the TSR; e.g., AA21MAR850042. The words "Emergency," "Emergency NSEP," "Essential NSEP," or "Urgent" must be added one space after the end of the TSR number, if appropriate (see glossary and/or supplement 11 for definitions). TSR serial numbers will be set back to 0001 annually to coincide with the fiscal year; e.g., XX01OCT880001 is the first TSR issued by TCO XX for fiscal year 1989.

Suffix. The last block of this item will be used to add a sequential suffix letter to designate TSR amendments ("A" through "Y") or cancellations ("Z") to the basic TSR request. A "Z" suffix will only be used to cancel the TSR in its entirety in cases where the requested service has not been in-effected (or accepted with exception) by the user (government). To rescind a previously issued amendment, use the next sequential amend suffix. Cancel TSRS cannot be amended or rescinded; a new TSR must be issued.

NOTE. The TSR number of the submitting TCO will be entered in item 101 and will be used as the primary control number until a CCSD is assigned. This TSR number will be carried forward to TSO paragraph 2N and to the DCA data base. Feeder TSR or RFS numbers will be carried forward to TSR item 514.

Coordination for Restoration Priority (RP) and Resources. Where the communications services required by a unified or specified command, military service, or DoD agency utilize the resources or traverse the communications systems, network, or facilities within the area of another unified or specified command, allocation of communications resources and assignment of RP will be accomplished through mutual agreement of the commands, military services, or agencies concerned. See chapter 2, paragraph 9, and item 503.

ITEMDESCRIPTION

102. Restoration Priority. Enter restoration priority; e.g., 2A, 3B (see reference 4i and chapter 4, paragraph 3f). If no RP applies, enter 00. If RP is 4A or higher, submit item 403 also.

ITEMDESCRIPTION

103. Type Action. If TSR is for new service, specify START. If it is a request to deactivate an entire circuit or completely discontinue a service, specify DISCONTINUE (also refer to item 428). If it is a request for changing an existing service or circuit; e.g., RP, subscriber and terminals, segment of multipoint circuit equipment contract, signaling, etc., specify CHANGE. Changes to leased service must be within the terms and conditions of the existing contract. Change TSR's requesting exercise of contract options (option to extend, option to purchase, etc.) require only TSR items 101, 103, 106B, 116, 117, 401, 402, and 417. TSR's requesting administrative changes involving relocating user terminal, restoration priority, purpose and use codes, CCSD's, and PDC's require only items 101, 102, 103 (Change), 106, 107, 403, and/or 108, 116, 117, 120, and 401 with 417 optional. If the change involves disconnecting or moving a DCS subscriber access line from one location to another on a Government system or the AUTOVON and AUTODIN system, specify REHOME. If request is for information or planning purposes, circle DEVELOPMENTAL. If the start and discontinue dates are both identified and the in-service time will not exceed 90 days, specify TEMPORARY (all other services are considered permanent and require a start and disconnect TSR). If a previously submitted TSR (where the requested service has not been in-effected by the government) is being amended or canceled, specify AMEND TSR or CANCEL TSR and update the sequential TSR suffix in item 101 (NOTE: To rescind a previously issued amendment, specify "AMEND TSR" and use the next sequential TSR number Amendment suffix ("A" through "Y")). If TSR is for reaward of an existing leased service, circle REAWARD. See Chapter 2, paragraph 2k and figure 24 for additional information.
104. Type of Leased Service. When the TSR includes a requirement for leased service, specify the type of service being requested as shown below:

TYPE OF SERVICENOTES

CIRCUIT ONLY
SINGLE VENDOR

A requirement for a circuit. When such service is acquired by DECCO, it will be on an end-to-end basis for a contract period not to exceed 10 years.

EQUIP ONLY
SINGLE VENDOR

A requirement for equipment. Equipment will be acquired by DECCO for a period not to exceed 5 years. Specially designed equipment or equipment that is estimated to cost over \$25,000, total contract cost, will require the submission of a Performance Specification (PS) and/or Statement of Work (SOW). Maintenance for the equipment will be acquired by DECCO, if requested, for the initial contract period, including any option years.

CIRCUIT AND
EQUIPMENT
SINGLE VENDOR

A requirement for circuit and equipment. When such service is acquired by DECCO, it will be on an end-to-end basis for a contract period not to exceed 10 years. Equipment is limited to off-the-shelf items. Maintenance for the equipment will be acquired by DECCO, if requested, for the initial contract period, including any option years.

SYSTEM
SINGLE VENDOR

A requirement for a complete system. When such service is acquired by DECCO, it will be on an end-to-end basis for a contract period not to exceed 10 years. Systems will require the submission of a PS and/or SOW. Maintenance for the equipment will be acquired by DECCO, if requested, for the initial contract period, including any option years.

CIRCUIT AND
EQUIPMENT
SEPARATE
VENDORS

A requirement for circuit and equipment. When such service is acquired by DECCO, it will be split procured using separate contracts (e.g., one with a circuit vendor and the other(s) with one or more equipment vendors, as appropriate). Equipment that is estimated to cost over \$25,000, total contract cost, will require the submission of a PS and/or SOW. The period of service must be equal for both circuit and equipment unless an option to purchase the equipment is used. Without a purchase option for the equipment, the maximum circuit service life will be 5 years, equal to the maximum for equipment. If the purchase option is used, the maximum service life for the circuit will be 120 months. Maintenance for the equipment will be acquired by DECCO, if requested, for the initial contract period, including any option years. The service will not be procured on an end-to-end basis, and the user assumes the responsibility for integration, end-to-end technical sufficiency, and fault isolation.

MAINTENANCE
OF PURCHASED
EQUIPMENT

A requirement for maintenance support. DECCO will acquire maintenance support, if available, for Government-owned equipment acquired by DECCO when the projected life cycle cost of the maintenance requirement exceeds the "small purchase" cost threshold (\$25,000). Specify the type of maintenance required in TSR item 442.

ITEMDESCRIPTION

105. Circuit Requirements. Indicate the category of circuit to which the TSR applies, whether dedicated, AUTODIN, PSN, PDN, In-Direct AUTODIN (AMPE Tributary), DDN, DSN, DCTN, AUTOVON, or AUTOSEVOCOM. This item is required when the purpose of the TSR is to identify new circuit requirements or changes to existing circuits. Do not use this item unless actions to circuits are involved. This item must be submitted if "Circuit Only" or "Circuit and Equipment" was indicated in item 104.
- 106A. Operational Service Date. State the user's requested operational service date by day, Greenwich meantime, month, and year. Use generally accepted three-letter abbreviations for month (APR, JUL) and last two digits for year (90, 91); e.g., 151200Z JUL 90. See tables 12, 13, and 14 for prescribed leadtimes and chapter 1, paragraph 4d for additional service date information. For DDN service, see chapter 4, paragraph 4j for additional information.
- 106B. Requested Commercial/GFE Service Date. If applicable, state the TCO requested leased/GFE service date, (even if the same as 106A), by day, Greenwich meantime, month, and year. This date indicates the service date that the vendor (s) or Government must meet in order to satisfy the user's operational service date shown in TSR item number 106A. Use generally accepted three-letter abbreviations for month (JAN, FEB, MAR, etc.) and last two digits for year (90, 91); e.g., 151200Z JUL 90. New circuits should be started on Mondays, and circuits should be discontinued on Fridays (holidays excepted) whenever possible. Also see chapter 1, paragraph 4d and chapter 4, paragraph 3h. See tables 12, 13, and 14 for prescribed leadtimes. For DDN service, see chapter 4, paragraph 4j for additional information.
107. CCSD or Trunk ID. This item applies when a CCSD or trunk ID is assigned. Provide all eight characters of the CCSD or all six characters of the trunk ID. On Start/Temporary TSR's, the TCO may provide the first four characters of the CCSD. All codes must be assigned in accordance with chapter 14 of reference 4b.
108. Purpose and Use Code. Enter the applicable two-character DCS purpose and use code from reference 4b, chapter 14, if a CCSD has not been assigned or if the existing purpose and use code is to be changed.
109. DCS Tech Schedule Item Number. If appropriate, enter the DCS item number from chapter 1, table 2. (See chapter 1, paragraph 5c.)

ITEMDESCRIPTION

110. Type Operation. Circle one of the following. If type of operation is not shown, enter as narrative information. "(N)" refers to nonmirror image routings. (The term "nonmirror image circuit" refers to a two-way circuit when at least one pathway facility traversed by the circuit in one direction is different from those paths traversed in the opposite direction.)

Full Duplex

Half Duplex

Multiplex S/R

Multiplex R/O

Half Duplex R/O

Full Duplex (N)

Half Duplex (N)

Multiplex S/R (N)

111. Modulation Rate.

- (1) The rate at which the circuit will operate will be entered in this item. Entries will be in the form (e.g., 1.2KB for 1200 bits per second, etc.), shown in rate list located in chapter 9 of reference 4b.
- (2) If alternate voice/record service is requested, indicate actual modulation rate of the record service in bits per second (BS).

112. Service Availability. The following items are used to indicate when or how the circuit is to be made available for the designated user. Circle the appropriate option on the worksheet, or write entry in short form as shown in brackets below. If no brackets are indicated, write entry as shown. (Note: Service availability for AUTODIN subscriber access lines will reflect "Full Period" regardless of actual hours of communication center operation.)

Full Period. The requested service will be available full time.

Time Shared. Will be used alternately by all terminals on a time-shared basis.

6 Hours Less (6 HRS/LESS). Requested service will be used 6 hours per day or less.

6/12 Hours (6/12 HRS). Requested service will be used between 6 and 12 hours per day.

12/18 Hours (12/18 HRS). Requested service will be used between 12 and 18 hours per day. More than 18 hours will be considered full period.

On-Call. Circuits which are called up on request of the user through a DCS technical control or called up directly by the user. (A lease associated with an oncall circuit is a full-period lease.)

Second On-Call (2ND On-Call). A second oncall route in addition to original oncall route. Use of this option allows for clarification of which segment/path is being called up to service.

Programed Preempt. (PRG PRE-EMPT). First priority level. Online preemption equipment automatically preempts the primary circuit.

Second Preempt (2ND PRE-EMPT). Online preemption but extended to second priority level only.

Third Preempt (3RD PRE-EMPT). Same as above but on a third priority level.

Second Allocated Path (SECOND PATH). A second path is used to provide simultaneous service for the corresponding full-period path.

Programed Reroute (PROG RERTE). A reroute path for an existing circuit. The routing of a circuit and its programed reroute must differ in at least one segment.

Reserved Commercial (RSVD COMMCL). A leased service which is not available until a CSA is issued.

Frequency Shared (FREQ SHARED). Sharing the same frequency spectrum, as in Frequency Division Multiplex. May be either full- or part-time.

DSCS Scheduled (DSCS/SCHED). Available as scheduled by the Hq DCA military satellite communications control facility.

SW NTWK RSL. DCS Switched Network access line contingency preplanned restoral circuit (activated only when the normal serving switch is inoperative).

Cotgncy RQR. Contingency requirement; activation in accordance with appropriate OPLAN.

SPDPATH. Special purpose DSCS Path.

TEMP-EXEC. Temporary/Exercise circuit (circuit must contain both a start and discontinue date; discontinue date must be set for automatic deletion on the date indicated.

<u>ITEM</u>	<u>DESCRIPTION</u>
113.	<u>Callup Authority</u> . (Required when response to item 112 is oncall, second oncall, or contingency.) List position (Ops Officer, Comm Watch Off, Base Comm Off, etc.) and activity (CINCPAC, CINCPACFLT, etc.) that has authority to call up the circuit.
114.	<u>If Temporary, Deactivation Date</u> . Applicable only if the requested service is temporary and the deactivation date is known. Post the blocks in the same manner as outlined in item 106. (See definition of temporary service in glossary.)
115.	<u>Signaling Mode</u> . This item identifies the mode of signaling used between the user terminals of the circuits being described. Circle one of the following options. <u>The items in parentheses are for explanatory purposes only</u> . If TSR is for a trunk/circuit package system, enter the bandwidth or bit rate in HZ, KH, MH, GHZ, BS, KB, or MB. Explain in item 417 if no code exists.
	1 WAY DIAL 1 WAY RDN (Ringdown) 1 WAY VOICE 1 WAY MF (One-way Multifrequency) 2 WAY DIAL 2 WAY VOICE 2 WAY RDN (Ringdown) 2 WAY MF (Two-way Multifrequency) OH TONE ON (Offhook, Tone On While Idle) OH TONE OFF (Offhook, Tone Off While Idle) AUTO SUP PBX (Automatic Supervision PBX) DTMF (Dual Tone Multifrequency) 1 WD/1 WA (One-way Dial, One-Way Automatic) 1 WD/1WRDN (One-way Dial, One-Way Ringdown) SEL SIG SS1 (Selective Signaling, Type SS1) SEL SIG SS4 (Selective Signaling, Type SS4) 1 WDTMF/1 WA (One-way Dual Tone Multifrequency, One-Way Automatic) 1 WV/1 WRDN (One-way Voice, One-way Ringdown) 2 WAY AUTO (Two-way Automatic) 1 WRDN/1 WA (One-way Ringdown, One-way Automatic) 1 WV/1 WD (One-way Voice, One-way Dial) DPDT (Dial Pulse and Dual Tone) DFSU (Dual Frequency Signaling Unit) NO SIGNALING CCS (Common Channel Signaling) 1 WD/1 WDPDT (One-way Dial, One-way Dial Pulse or Dual Tone) (For DSN only)

- 1 WDP/1 WDTMF (One-way Dial Pulse/One-way Dual Tone Multifrequency)
- 1 WDP (One-way Dial Pulse)
- 1 WAY AUTO (One-way Automatic)

ITEMDESCRIPTION

116. Communications Service Authorization (CCCI/CSIF/ALLA Number(s)). If item 103 is for change or discontinuance, provide the Commercial Communications Circuit Identifier (CCCI)/Communications Service Authorization (CSA), Communication Services Industrial Fund (CSIF), and/or the Allied Long Lines (ALLA) number. This item is required when leased, industrially funded, or ALLA equipment-only requirements or leased circuit segments are involved. If more than one CCCI is involved; e.g., a leased circuit and two or more items of leased equipment, list the CCCI for the circuit segment here and list the equipment CCCI's in item 438. If the number pertains to CSIF multiplex numbers, enter in its entirety only the number which is to be discontinued. If a particular CSIF channel is to be discontinued, enter the entire CSIF identifier including the suffix; e.g., DECCO 10647012. Do not enter CSIF base number only unless the entire trunk is being discontinued. List CSA in Item 438 for any leased modems that extended the circuit from the CSIF trunk. If a new lease is required, insert the words "NEW LEASE." If the service is split billed, list the basic provisioning/maintenance CSA number here and list all billing CSA numbers associated with the service in item 439. Split billing CSA numbers can be obtained from Inventory of Service (IOS) reports and CLAM's provided by DECCO.
117. PDC. The program designator code must be included for all services to be leased or purchased through DECCO or DECCO activities and for services which come under the Communications Services Industrial Fund (CSIF). The four-character PDC will be extracted from the DECCO listing for program designator codes and entered in the first four of the six blanks provided. The fifth and sixth characters have been made available for internal identification requirements of the MILDEPS; i.e., subcommand code. The fifth and sixth characters may be blank. When submitting a TSR citing the PDC of another department or agency, include the approval authority in item 510 and provide a copy of the TSR to the funding activity. If the TSR is to change or discontinue a circuit currently using U.K. Defense Telegraph Network (DTN) channels in the United Kingdom, enter the PDC for the existing circuit in character positions 6 through 11, followed by a slash (/) in position 12. After the slash enter the PDC that is to be applied to the DTN channels made spare by this action.
118. Overtime or Expediting Charges. Specify appropriate action. Enter the maximum amount of overtime or expediting charges to be authorized for the contractor. This item must be submitted for all TSR type actions, except DISCONNECTS, which do not provide the service leadtimes as stated in Tables 12, 13, and 14. If the TSR requests Emergency NSEP procedures be implemented, service will be implemented without regard to cost. (See chapter 1, paragraph 4d(1).)

Diverse/Avoidance. If the requested circuit must be routed diversely from an existing circuit or circuits, or routed to avoid specific types of transmission media, networks, or critical junctions and metropolitan areas, provide the following information:

- | ITEM | DESCRIPTION |
|-------|--|
| 119A. | Provide the circuit number (last four characters of the CCSD) of up to three existing circuits. |
| 119B. | Provide the CSA number (or commercial number if non-DECCO lease) of up to three existing circuits. List in the same sequential order as the circuit numbers above if both CSA and CCSD circuit numbers are involved. |
| 119C. | Provide the GEOLOCO and State/Country code of up to three locations to be avoided. |
| 119D. | Transmission media to be avoided: Specify YES or NO. If YES is shown, enter up to three different transmission media that the requested circuit must avoid. Use plain language descriptions of transmission media listed in reference 4b, chapter 58. If the media to be avoided are not defined in the referenced chapter, enter a description of the media; e.g., "ALL SATELLITE", to avoid all satellite links, leased and government owned. Separate each media by a comma. If "Satellite" is listed as one of the transmission media to be avoided, ensure that the objections are completely substantiated in TSR Item 408., Objections to Satellite Service, to include all valid technical reasons/parameters. |
| 119E. | Networks to be avoided: If applicable, enter specific DCS network(s) to be avoided (up to a maximum of three networks), using appropriate acronym (e.g., DCTN). Separate each entry by a slash. |

Terminal/End User Information. Items 120A through 131A describe only one terminal user. Identify this user by annotating the item numbers with the suffix "A" as 120A, 121A, 122A, etc. For a second user, use additional workhouses with the pertinent items annotated as 120B, 121B, 122B, etc. To identify more than two users (multipoint service), annotate each subsequent user sheet as C, D, E, etc. TSR's will identify user with suffix A, B, C, etc. Terminal/end user information will be provided for all types of actions (ref TSR item 103). Amendments to TSR's will identify the items requiring amendment as they were identified in the TSR being amended.

- 120_. Terminal/End User/Switch/Node Location. Enter geographical location of user, using contracted GEOLOCO from DCAC 310-65-1, chapter 33. If the START/TEMPORARY TSR pertains to AUTODIN, DDN, or DSN/DCTN/AUTOVON access line requirements, item 120b should state "DCA to determine" unless there is special requirement for diverse routing, dual or split homing, an additional line to an existing hunt group, or offhook user information. If half duplex R/O or multipt R/O is entered in item 110, the send user must be entered in TSR item 120A. (See reference 4b, chapter 33, paragraph 3, for procedures for

requesting entry of location names in the DCA GEOLOCO file. See paragraph 4, same Circular and chapter, for rules governing contraction of location names to eight characters.)

<u>ITEM</u>	<u>DESCRIPTION</u>
121_.	<u>State/Country Code</u> . Enter appropriate numeric code for States or alpha country code of user from reference 4b, chapter 33.
122_.	<u>Area Code</u> . Enter appropriate DCS geographical area or subarea code for area of user from reference 4b, chapter 33. If service is wholly within CONUS, enter the subarea code. If the service is from a CONUS location to an overseas location, or between overseas locations, enter the area code.
123_.	<u>Facility Code</u> . Enter the recommended facility code from reference 4b, chapter 23, as pertains to the type or function of the user. Use the same code for circuits which terminate in the same facility at a location.
124_.	<u>Address/Directions to Site</u> . Specify building number. If unnumbered, identify by use; e.g., operations building, hangar, command bunker, highway intersection, latitude and longitude coordinates. For locations on a post, camp, station, or base, cite the building and street (if applicable). For commercial locations with no building number, use street name and number to include city, state, and zip code; e.g., 7518 Care Street, Woodbridge, Virginia 22191.
125_.	<u>Room Number</u> . Room or area within building where user equipment will actually be located. Floor number may be entered in lieu of room number if more pertinent. Indicate floor by entering B, 1, 2, 3, etc., followed by letters "FL."
126_.	<u>Terminal Equipment</u> . Provide type of terminal equipment, including options, at each user location. If military, use standard JAN nomenclature. If commercial, provide make and model number. Submit this item even if user terminal equipment is being obtained by a means other than this TSR.
127_.	<u>Cryptoequipment</u> . Enter type of cryptographic equipment to be used at user location. Use full classification nomenclature. Do not use security equipment codes listed in classified supplement to reference 4b. If no cryptographic equipment is used on the circuit, enter the word "unsecure" on this line. If the identification of specific cryptoequipment (in association with other TSR items/addressees) would cause the TSR to be classified, enter the word "secured" in lieu of entering actual equipment nomenclature.
128_.	<u>Interface</u> . Describe the user's interface requirements. Do not include subparagraph designator, only the item number and location letters.

- (1) For voice, facsimile, non-DDN or non-AUTODIN data circuits, specify the impedance, transmit level, minimum and maximum receive levels, and any special test tones with levels required at the user equipment. If no special levels are required, the DCA action agency will specify the levels as part of the normal engineering process (if applicable).
- (2) For teletypewriter circuits, specify the current level and mode of operation (20 mA polar, 60 mA neutral, etc.) required at the user facility.
- (3) For circuits with signaling specified in item 115, identify the type of signaling equipment at the user terminal. Specify dial pulse characteristic or other special tests that may be required.
- (4) For digital service include the following:
 - (a) Type modem with manufacturer's name and model number and state whether it is to be leased or GFE. If modem is GFE, provide mark/space frequency or center frequency (crossover frequency).
 - (b) Circuit timing; i.e., synchronous, asynchronous, or isochronous.
 - (c) Type of physical and electrical interface requirements; e.g. RS-232C, RS-422, RS-423, CCITT V.24, MIL-STD-188.
 - (d) Include the following items, if appropriate: whether transmit timing is internal or external and whether it is slaved to the receive timing; whether elastic store is permissible or not; whether continuous carrier is permissible or not; maximum allowable round-trip delay in milliseconds; strapping options required; function options of the MODEM test modes required to be operational, impedance, transmit level, minimum and maximum receive signal levels; control signals which may be external to the information bit stream; levels of control signals if different from the information bit stream; any other items felt necessary to explain the operational requirements and interface parameters. Enter bit error rate requirements, if applicable, in item 426.
- (5) Specify nomenclature of line interface equipment if other than the termination of crypto equipment.

ITEMDESCRIPTION

129_. Termination. Circle the appropriate number.

<u>ITEM</u>	<u>DESCRIPTION</u>
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130_. Contact. Furnish name, telephone number, and office code of a primary and alternate person at each user terminal who is familiar with the details of the requirement. Provide complete DSN/AUTOVON, local/military, and commercial phone numbers, including area codes. If leased services are involved, a commercial telephone number is required.

131_. Mail Address. Provide the complete mailing address of each user contact; e.g., Mr. John Smith, Nassif Building, 4500 Columbia Pike, Arlington, VA 22041.

User to DCS or Commercial Interface Information: Items 132 through 137 describe non-DCS interconnecting facilities from the subscriber or user on the "A" end of the circuit to the first DCS facility or commercial interface point, and from the last DCS facility or commercial interface point to the subscriber or user on the "B," "C," "D," etc., end of the circuit. Correlate the interconnecting facility with the subscriber listed in item 120 by using the same letter suffix. If there are two or more segments or locations involved in the interconnecting facilities, use the numeral 1 for the first, numeral 2 for the second, etc., following the correlating letter suffix; e.g., 132A1, 133A1, 134A1, 132A2, etc. If there are no non-DCS facilities interconnecting the user with the DCS interface point or if the service is to be leased end to end with no non-DCS interconnecting facilities, items 132 through 137 are not required. If facilities are to be leased between a user and a DCS facility interface point, complete items 132 through 137 as required. Refer to chapter 3, figure 3, to understand the following example: A hypothetical situation is a typical TSR with a user on one end connected through DCS Government-owned transmission media to a user on the other end of the circuit, using non-DCS media on base cable systems to interconnect the DCS facility interface points at technical control facilities and the users. User A is ANDREWS ABC and user B is CROUGHTON DEF. Item 132A1 would be the GELOCO and Facility Code for user A repeated from items 120A and 123A; i.e., ANDREWS ABC. Items 133A1 through 137A1 would be completed to describe the interconnecting facility. Item 132A2 would identify the DCS facility by GELOCO and Facility Code, to which the user is being connected; e.g., ANDREWS TCF. At the other end, item 132B1 would identify the serving DCS facility by GELOCO and Facility Code; e.g., CROUGHTON TCF. Items 133B1 through 137B1 would be completed to describe the interconnecting facility from CROUGHTON TCF up to CROUGHTON MDF. Item 132B2 would contain CROUGHTON MDF, and items 133B2 through 137B2 would be completed to describe the interconnecting facility up to user B. Item 132B3 would be the same GELOCO and Facility Code repeated from items 120B and 123B; i.e., CROUGHTON DEF. Facilities interconnecting the VAIHINGN TCG and user C would be described in a similar manner.

- | ITEM | DESCRIPTION |
|---------|--|
| 132_ _. | <u>Facility Location and Code.</u> Enter the contracted GELOCO and Facility Code (from reference 4b) of the facility which is being interconnected by non-DCS media. The formatted GELOCO and Facility Code will be followed by narrative data to include building number, room number, and contact phone number at that facility. |
| 133_ _. | <u>Type Media.</u> Select and enter the appropriate code from reference 4b, chapter 58. |
| 134_ _. | <u>Local Designator.</u> Provide local designator of transmission media; e.g., local cable 102. |
| 135_ _. | <u>Facility Description.</u> State length of segment in miles and feet (feet only if distance is under 1 mile). If cable or open wire, provide gauge and loading data. If microwave, tropo, or VFCT, provide equipment nomenclature and 1004 Hz test tone levels or current level and mode of operation required at both ends of the segments. |
| 136_ _. | <u>Operating Agency.</u> Identify operating agency (Army, Navy, AF, FAA, etc.). |
| 137_ _. | <u>Loss.</u> Provide 1004 Hz transmission loss as expressed in dBm. |
| 138_ _. | <u>Host Nation Cross-Reference Circuit ID.</u> If the requested circuit is to traverse Host Nation systems between the user and the DCS interface, enter the Host Nation's circuit ID number in this item; otherwise, the item is not required in the TSR. If Host Nation system routing is to be used between DCS interface and the distant DCS interface, the responsible DCA action activity will obtain the host nation number and include it in the applicable TSO paragraph 3. Each host nation cross-reference circuit ID number is a combination of data elements contained in a fifteen-character alphanumeric sequence. The first three characters (which must be alpha characters) should be selected from the following table of agency/system codes. Remaining twelve characters will be alphanumeric (all twelve characters are not required). |

<u>CODE</u>	<u>MEANING</u>
GAF	GERMAN AIR FORCE
NIC	NICS CIRCUIT NUMBER
NCN	NATO CIRCUIT NUMBER
ITS	ITALIAN TRI-SERVICE SYSTEM
BMC	BELGIUM MILITARY COMMUNICATIONS
STR	STATIC RADIO RELAY NETWORK (STARRNET)
DUM	DUMMY CROSS REFERENCE ID

ITEMDESCRIPTION

139_. NPA/NNX of Actual Service Location. If leased services in the U.S. are involved, a commercial telephone number at each user terminal is required. The telephone number numbering plan area (NPA) NXX (3-digit designation of NPA and the first 3 digits of the location exchange telephone number) is relied upon by the U.S. telephone industry to determine the serving wire center (SWC) for each particular customer premises on a requirement. The SWC then becomes a pricing point on the required service.

140_. Unit Identification. If appropriate, enter the name of each end-user organization (e.g., 7th Signal Command; 2119CS).

141-150. Unassigned.

151. MSO URDB CONTROL NUMBER. If the TSR is for DSCS Service, enter the Military Satellite Office (MSO) User Requirements Data Base (URDB) control number. The URDB control number consists of 11 character positions. The first eight positions are used to identify the requesting activity; e.g., CINCLANT, DCA, ARMY, NAVY (left justify when eight characters are not needed). The last three positions (positions 9-11) contain the unique number assigned to the requirement for the activity identified in positions 1 through 8. (A sample URDB number is: Army----001.) Enter "none" if the requirement is urgent and time does not permit obtaining the MSO URDB control number prior to submitting the TSR to DCA. See chapter 4, paragraph 4i, this Circular.

152. DDN URDB WAIVER NUMBER. If the TSR is for data service other than DDN, enter the DDN waiver number. Each waiver number is a combination of data elements contained in a nine-character alphanumeric sequence. The first character is the quarter of the calendar year in which the waiver expires (e.g., 1 for first quarter). The second and third characters are the last two digits of the year in which the waiver expires (e.g., 85 for 1985). The fourth and fifth characters are the Agency code of the requester (e.g., DN for Navy, DA for Army, DF for Air Force). The sixth character is blank--reserved for future use. The seventh through ninth characters are sequential numbers from 001 through 999 for waivers assigned. Example: The waiver number for the first army system granted a waiver that expires second quarter 1985 would be 285DA 001. Each TSR submitted for data communications service other than DDN and Data Service in the exempt category (see ch. 4, par. 3m(4) for exempt categories) will have item numbers 152 and 352 filled in. Each TSR will be dual-routed to the appropriate DCA Area and to the DDN PMO Code B641 for action. If the TSR is for requirements which are in one of the exempt categories described in chapter 4, paragraph 3m(4), the word "EXEMPTED" must be included here, item 352 of the TSR omitted, and the applicable exempt category identified in item 417. (NOTE: This item does not apply to FAA data circuits).

199. Reserved for FAA use only.

b. DSN/DCTN/AUTOVON/AUTOSEVOCOM Service Information.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|--|
| 201. | <u>Subscriber Identification.</u> If this requirement is listed in the AUTOSEVOCOM Subscriber and Implementation List, provide the five position JCS sequence number. If not listed, cite other approval authority in item 417. Use only for AUTOSEVOCOM circuits. |
| 202. | <u>Subscriber Listing.</u> Items 202-207 are used for the DCA DSN/AUTOVON or AUTOSEVOCOM directory. Identify the subscriber using no more than 36 characters including spaces between words. Do not use punctuation marks. Standard abbreviations are acceptable. The subscriber listing must be composed with care, since the first word will determine the alphabetical area of the directory in which the listing will appear. (Reference DCAC 310-V70-8.) If the listing is classified, follow procedures specified in chapter 1, paragraph 4h, this Circular. |
| 203. | <u>Directory-Class.</u> (Reference DCAC 310-V70-8 and DCAC 310-V50-7.) Circle the appropriate code to indicate if and how DSN/AUTOVON number will be listed in the directory. |

L-Listed number to appear in both the Global DSN/AUTOVON Directory and the Global DSN/AUTOVON Operator Bulletin (AOB).

N-Number to appear in the Global DSN/AUTOVON Operator Bulletin (AOB) only.

X-Nonpublished number.

S-AUTOSEVOCOM subscriber.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 204. | <u>Title.</u> Enter the agency, command, or activity to receive the DSN/AUTOVON Directory. |
| 205. | <u>Unit Designation or Attention Line.</u> Insert any information which the subscriber believes will assist in delivery of the Directory to the proper organization. |
| 206. | <u>Location.</u> Enter the city, post, or installation name used in general correspondence. |
| 207. | <u>State, ZIP Code, APO, FPO.</u> Enter the State or country where addressee is located. Add ZIP code if activity is in United States or APO or FPO number if overseas. |

ITEMDESCRIPTION

208. Subscriber Rate Code. The subscriber rate code indicates the Communications Services Industrial Fund (CSIF) rate involved and is determined by the general type of service provided. Enter the recommended code from chapter 3, table 7. DECCO may change the rate code if it is determined that another rate is more suitable for the requested service.
209. Service Mode. Circle the appropriate code to indicate the service mode required.

<u>Code</u>	<u>Meaning</u>
AX	PBX secure voice homed on other than DSN/DCTN/AUTOVON switch.
DA	Four-wire data only precedence in only.
DB	Four-wire data only routine in only.
DC	Four-wire data only send only.
DE	Two-wire data routine in only.
DF	Two-wire data precedence in only.
DG	Two-wire data send only.
DT	Four-wire data routine in and out.
DW	Two-wire data routine in and out.
DY	Four-wire data precedence in and out.
DZ	Two-wire data precedence in and out.
EB	Bridge.
EK	Key changes.
ER	Regen.
KR	Four-wire key sys send only.
KS	Key equipment routine in and out.
KU	Key equipment precedence in and out.
NB	Four-wire secure voice narrowband subscriber terminal homed on other than DSN/AUTOVON switch.
PA	PBX routine network in dialing/network out dialing.
PB	PBX routine network in dial/manual out.
PC	PBX routine network in dial.
PD	PBX immediate network in dial/network out dial.
PE	PBX immediate network in dial/network manual out.
PF	PBX immediate network in dial.
PG	PBX precedence network in dial/network out dial.
PH	PBX precedence network in dial/manual out.
PI	PBX precedence network in dial.
PJ	PBX routine manual in/network out dial.
PK	PBX routine manual in/manual out.
PL	PBX routing manual in.
PM	PBX precedence manual in/network out dial.
PN	PBX offhook.
PO	PBX precedence manual in/manual out.
PP	PBX precedence manual in.

PQ	PBX network out dial.
PR	PBX manual out.
SK	PBX secure voice (homed on DSN/AUTOVON switch) routine manual in/manual out.
SO	PBX secure voice (homed on DSN/AUTOVON switch) precedence manual in/manual out.
ST	Four-wire secure voice (narrowband subscriber terminal homed on DSN/AUTOVON switch (NBST-V)) routine in and out.
SY	Four-wire secure voice (narrowband subscriber terminal homed on DSN/AUTOVON switch (NBST-V)) precedence in and out.
TW	Two-wire voice routine in and out.
TZ	Two-wire voice precedence in and out.
VA	Four-wire voice precedence in only.
VB	Four-wire voice send only.
VC	Two-wire voice routine in only.
VD	Two-wire voice precedence in only.
VE	Two-wire voice send only.
VN	Four-wire voice offhook.
VO	Four-wire voice verified offhook.
VR	Four-wire one-way in.
VT	Four-wire voice routine in and out.
VV	Bridge (CONUS only).
VY	Four-wire voice precedence in and out.
WB	Four-wire wideband secure voice services.
XX	Track (CONUS only).

ITEMDESCRIPTION

210. Unassigned.
211. Unassigned.
212. MCAI. The Maximum Calling Area Indicator (MCAI) prescribes the maximum area that a subscriber can dial directly. Enter the appropriate code from table 6, or enter 99 for one-way service.
213. MCAP. The Maximum Calling Area Precedence (MCAP) is the maximum precedence level at which the subscriber may initiate a call to another station within his maximum calling area. Circle one.

0 - Flash Override
 1 - Flash
 2 - Immediate
 3 - Priority
 4 - Routine
 7 - Automatic Traffic Controller
 9 - One-way in

- | ITEM | DESCRIPTION |
|------|--|
| 214. | <u>Number of Extensions</u> . Specify number of extensions required for DSN/AUTOVON subscriber. This does not include the main instrument. Provide exact location of extensions (building and room number) in item 404. |
| 215. | <u>Dual Access</u> . Split homing provides a subscriber access to a second DSN/DCTN/AUTOVON switch by separate access line using more than one telephone number. If this requirement is for split homing, enter the full CCSD of the subscriber's present DSN/DCTN/AUTOVON circuit. Also, the other switch may be identified for the additional access line. Otherwise, facilities will be provided to the nearest available switch. |
| 216. | <u>Rotary</u> . When two or more direct subscriber lines are located in the same room or office, they will normally be installed in rotary. If rotary service is desired, specify with what DSN/AUTOVON telephone number, CCCI, or CCSD the requested service is to be placed in rotary. |
| 217. | <u>Traffic Data for PBX DSN/DCTN/AUTOVON Access</u> . These data are required when requesting new PBX DSN/DCTN/AUTOVON access. Enter estimated average busy day traffic volume; e.g., traffic volume, daily 100 calls, weekly 700 calls, etc. |
| 218. | Unassigned. |
| 219. | <u>Line-Load Control</u> . Circle the appropriate code. (Reference 4e is applied by the appropriate DCA area when assigning line-load controls.) The access line will not be assigned line-load control categories lower than the following:
<ul style="list-style-type: none">A - Flash OverrideB - FlashC - ImmediateD - PriorityE - All remaining access lines |
| 220. | <u>Abbreviated Dialing</u> . Circle YES or NO. If abbreviated dialing privileges are requested, so state and list number affected, if existing, or list names and locations in item 401 if terminating stations are not yet in service. |
| 221. | <u>Community of Interest (COI)</u> . Specify the community of interest in accordance with chapter 3, table 4. Where no community of interest groups have been identified; e.g., the CONUS area, the table number will be 0. |

ITEMDESCRIPTION

222. Community of Interest Precedence (COIP). If the precedence level within the community of interest differs from the precedence level within the maximum calling area, circle the applicable precedence level for the community of interest. Circle "5" if there is no community of interest.
223. Outpulsed Digits. In the case of a PBX access line arranged for NID, the number of digits to be outpulsed to the PBX will be stated. Also, the existing or proposed numbering scheme must be made known as a separate attachment to the TSR or included in item 401.
224. Conference Service. State the code from the following table for the type of conference arrangement required, if any, giving name or DSN/AUTOVON telephone numbers, location, and country. (Provide list of conferees in item 507.)
- B - Broadcast Conference Originator CONUS only. (Preset, transmit only to conferees.)
 - C - Conference Only. (Conferees to a preset conference, cannot originate conference.)
 - P - Preset Conference Originator Only.
 - X - Broadcast or Preset Conference Originator and Conferee.
225. Incoming Preemption. Circle YES or NO to indicate if line is to be equipped for preemption for higher precedence calls. If NO, cite waiver authority in item 503, unless reference 4e compliance is evident for PBX hunt group.
226. In Hunt. Circle YES or NO to indicate if line is in a hunt sequence.
227. Unassigned.
228. AUTOSEVOCOM Equipment Maintenance Agency. Include the Unit Identification Code of the agency responsible for maintenance of the AUTOSEVOCOM terminal equipment.
229. AUTOSEVOCOM Drop Number. Enter the number assigned to the AUTOSEVOCOM subscriber behind an AUTOSEVOCOM switching facility.
230. COMSEC Account Number. Enter the number of the COMSEC account which supports the AUTOSEVOCOM terminal.
231. Type Switch (AUTOSEVOCOM only). Indicate the type switch to which the AUTOSEVOCOM subscriber will be homed (AUTOVON, FTC-31, SECORD, 758C, 758A, JOSS, NORATS, STN).
232. Unassigned.

- | ITEM | DESCRIPTION |
|------|--|
| 233. | <u>Manufacturer's Name, Model Type PBX or PABX, and Attendant Switchboard.</u> Indicate the manufacturer's name, model number, and type of PBX and PABX and attendant switchboard. |
| 234. | <u>Government Owned or Leased.</u> Indicate if PABX is Government owned or leased. |
| 235. | <u>Operator Assist Number.</u> Indicate operator assist number to be used. |
| 236. | <u>Access Code.</u> Indicate access code to be dialed by users to obtain DSN/DCTN/AUTOVON service. |
| 237. | <u>Thousand Levels.</u> Indicate thousand levels used for class A stations and for class C stations that can receive incoming DSN/DCTN/AUTOVON calls. |
| 238. | <u>Number of Class A Stations.</u> Indicate number of class A stations which will have dial access to DSN/DCTN/AUTOVON. Also indicate total number of class A stations on PABX if different. |

DSN Usage. If the TSR requests DSN/DCTN service, item 239 may be required:

- | ITEM | DESCRIPTION |
|-------|--|
| 239A. | <u>Total Engineered Erlangs.</u> Indicate applicable engineered erlangs associated with requested DSN service. |
| 239B. | <u>With Internodal Allocation Erlang Subscription (DCTN Only).</u> Specify the quantity of Erlangs of CONUS destined, routine traffic (carried load) offered by the DCTN end-office to the DCTN node that will be routed to locations served by the DCTN. |
| 239C. | <u>Without Internodal Allocation Erlang Subscription (DCTN Only).</u> Specify the quantity of Erlangs of CONUS destined, routine traffic (carried load) offered by the DCTN end-office to DCTN node that will be routed to locations served by the DSN/AUTOVON. This traffic is switched to the AUTOVON/DSN by the #5ESS at the DCTN node. |
| 240. | <u>PABX Size.</u> Indicate total number of terminations. |
| 241. | <u>Switched Services Capacity.</u> Indicate total number of accesses between the user demarcation point at the user location and the DSN/DCTN switch. |
| c. | <u>AUTODIN MSU Service Information.</u> |
| 301. | <u>Subscriber's Identification Number.</u> If requirement is listed in the DCS AUTODIN Subscriber Access Line Listing (ASALL), provide the subscriber identification number. If the identification number is |

known and not listed in the ASALL, include it and cite authority in item 401. The ASALL is a DCA publication and contains a consolidated listing of all AUTODIN subscriber and access lines.

302. Routing Indicator. If a new routing indicator (RI) is required, so state and specify if requirement is for GENSER, DSSCS, or DSSCS/GENSER service. If a currently used GENSER RI or pseudo-identifier will be used, provide this RI or pseudo-identifier. If assignment of a GENSER four letter NARC R¹ required, a request must be submitted in accordance with ACP 121 .. Supplement 1F, Chapter 5, Section IV. If assignment of a DSSCS RI is required, a request must be submitted in accordance with DOI 103, Chapter 4, paragraph 405.

303. Channel Code. Indicate if channel coordination will be Mode I, Mode II, or Mode V. Also, indicate if the access line will be connected to a Message Switching Unit (MSU) or Hybrid.

NOTE. Mode II requirements will be evaluated and approved or disapproved by DCA Washington, DC, Code B651 on a case-by-case basis. For standard AUTODIN terminals, Mode II service will normally be provided on an interim basis only, and subscribers should have previously submitted a validated requirement for permanent connection to AUTODIN by Mode V or Mode I access. For contingency and exercise Mode II requirements, evaluation and approval will be made by the appropriate DCA Area when the ASC and the proposed tributary are both within a single DCA Area. If interarea connection is involved, DCA Washington DC, Code B651 will be the approval authority. For AUTODIN Query/Response terminals, Mode II service is acceptable.

304. Operating Mode. Applicable only if response to item 303 is Mode I. Indicate if operating mode will be block-by-block or continuous. (When connected as a Hybrid, operating mode will be designated as continuous.)

305. Security Classification.¹ Indicate the highest traffic security level to be handled on GENSER, DSSCS or DSSCS/GENSER requirements.

DSSCS/MM	Secret
DSSCS/GENSER MM/TS	Confidential
Top Secret	Restricted
SPECAT SIOP-ESI	EFTO
SPECAT Less SIOP-ESI	Unclassified

¹IAW JCS message DTG 232044Z Nov 84, for SPECAT SIOP-ESI (SPECAT A) level requirements, prior OJCS approval will be obtained and referenced in all TSR's. Requests to classmark a terminal SPECAT SIOP-ESI will contain RI, PLA (for existing circuits), user, and complete justification, and will be submitted by message to JCS Washington DC//J3/J36/STRAT OPS//, Info DCA Washington DC//B651// and USMCEB Washington DC. OJCS approval or disapproval will be sent by message to requester, DCA, and USMCEB for appropriate action.

ITEMDESCRIPTION

306. Subscriber Rate Code. The subscriber rate code indicates the Communications Service Industrial Fund (CSIF) rate involved and is determined by the general type of service provided. Enter the recommended code from chapter 3, table 8. DECCO may change the rate code if it is determined that another rate is more suitable for the requested service.
307. Unassigned.
308. Unassigned.
309. Unassigned.
310. Equipment Codes for ASC Terminations. Indicate terminal input-output language media format (LMF) capability identified in chapter 3, table 10, for CONUS and table 11 for Overseas.
311. Period of Operation. Enter the days and hours during which the subscriber station will operate. Enter hours in local time at the terminal.
312. MERL Numbers. Enter any appropriate Master Equipment Reference List (MERL) numbers.

Altroute Information. The TCO/AVO is responsible for ensuring that traffic altroutes are established in accordance with reference 4k (DCA OPLAN 1-84). Subscribers are encouraged to establish traffic altroutes for the alternate delivery of message traffic in the event of a communications service interruption. At a minimum, it is recommended that altroute instructions be provided for immediate and higher precedence traffic, preferable a phase II. If no traffic altroute is required, item 417 should state "No traffic altroute required". If action is ongoing to establish an alternate delivery station, but final coordination/approval has not been completed, item 417 should state "Traffic altroute instructions forthcoming under separate correspondence".

ITEMDESCRIPTION

313. RI for Narrative. Enter routing indicator of subscriber station to which narrative traffic will be altrouted in Phases I, II, and III.
314. RI for Data. Enter routing indicator of subscriber station to which data (card) traffic will be altrouted in Phases I, II, and III.
315. RI for Mag Tape. Enter routing indicator of subscriber station to which mag tape traffic will be altrouted in Phases I, II, and III.

Altroute Time. The following describes purposes of the four category blocks:

Category I used for Flash and higher precedence traffic.

Category II used for Immediate precedence traffic.

Category III used for Priority precedence traffic.

Category IV used for Routine precedence traffic.

Altroute Criteria. Traffic altroute will be implemented when the time specified by the TCO/AVO has elapsed. Separate time criteria will be established for each precedence category. Specific information on AUTODIN ASC program traffic altroute capabilities are contained in reference 4k (DCA OPLAN 1-84). Enter one of the following codes (describing when the above types of precedence traffic should be altrouted) into the four category blocks. Precedence Category I may be assigned only time criteria "0" or "Q."

0 - Altroute action within the first hour of ASC failure. Time of implementation will be based on traffic conditions and directed by the Area DCA AUTODIN Controller; Category I traffic will be altrouted as soon as possible upon direction of the Area DCA AUTODIN Controller. Subscriber failures: If Phase I, altroute at time of failure; if Phase II, coordinate with Area DCA AUTODIN Controller.

3 - Normally altroute after 3 hours of ASC failure at the direction of the Area DCA AUTODIN Controller. Subscriber failure: If Phase I, altroute after 3 hours of outage; if Phase II, coordinate with Area DCA AUTODIN Controller 3 hours after start of outage.

8 - Initiate Phase III restoral after a 3-hour outage at the direction of the Area DCA AUTODIN Controller.

N - No altroute.

Q - Altroute action after traffic queues. AUTODIN subscriber failures only. For ASC failures, "Q" equates to "0." It is recommended that these time criteria be specified for part-time AUTODIN subscriber closed-period altroutes.

316. Narrative Altroute Time. Enter appropriate code in accordance with preceding instructions on altroute time and criteria.

317. Data Altroute Time. Enter appropriate code in accordance with preceding instructions on altroute time and criteria.

318. Mag Tape Altroute Time. Enter appropriate code in accordance with preceding instructions on altroute time and criteria.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|--|
| 319. | <u>Highest Security Level for Narrative.</u> ² Circle the highest security level of narrative card traffic that is to be altrouted. |
| 320. | <u>Highest Security Level for Data.</u> ² Circle the highest security level of data traffic that can be altrouted. |
| 321. | <u>Highest Security Level of Mag Tape.</u> ² Circle the highest security level of mag tape traffic that can be altrouted. |

Dual Access Homed Information.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 322. | <u>CCSD of Present DIN Circuit.</u> Dual access provides a subscriber access to a second AUTODIN switch in addition to the switch on which the subscriber is normally terminated. Enter the full CCSD of the subscriber's present AUTODIN circuit. |
| 323. | <u>Type Terminal.</u> Circle one of the following:

<u>One Set.</u> Subscriber will have one set of terminal equipment which will be switched from normal circuit to dual access circuit as required. (Only one circuit can be used at any given time, dual access.)

<u>Two Sets.</u> Subscriber will have two sets of terminal equipment, one for each circuit. (Both circuits used simultaneously, or dual homed.) |

Miscellaneous Information.

- | | |
|------|--|
| 324. | <u>Unassigned.</u> |
| 325. | <u>Unassigned.</u> |
| 326. | <u>Unassigned.</u> |
| 327. | <u>Unassigned.</u> |
| 328. | <u>Routing Indicator Capability.</u> Enter the number of routing indicators that the terminal equipment is capable of receiving on individual messages; e.g., 1, 50, or 500. |
| 329. | <u>Unassigned.</u> |

²Entry is limited to 8 characters. Abbreviate "SPECAT SIOP-ESI" as "SCS1ESI" and "SPECAT LESS SIOP-ESI" as "SCLSIESI."

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 330. | <u>Collective Routing.</u> List any collective Routing Indicators (RI's) which this subscriber should receive. |
| 331. | <u>Line Code.</u> Circle the appropriate line code. |
| 332. | <u>Message Format.</u> Circle the appropriate format(s) for GENSER, DSSCS, or GENSER/DSSC requirements. |
| 333. | <u>Platen Size for Page Printer.</u> Receive device characters per line. Specify number of characters that can be printed or displayed on a single line; i.e., 69, 80, 120, 132, etc. |
| 334. | <u>Crypto operation.</u> Circle crypto operation as relates to equipment. |

Query/Response Service Information.

335. Type Q/R Service. Circle appropriate Q/R service.
336. Dual Homed Host. Circle YES or NO.

Query/Response Altroute Information. Dual Homed Host only. Delivery to Q/R "terminal" will not be altrouted/CARPED.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 337. | <u>RI for Q/R Host Altroute.</u> Enter routing indicator or subscriber to whom Q/R traffic will be altrouted. |
| 338. | <u>Q/R Host Altroute Time.</u> Follow instructions given for item 316. |
| 339. | <u>Highest Security Level for Q/R Host.</u> ³ Circle the highest security level for Q/R traffic that can be altrouted. |

Query/Response Terminal Prestored Header at ASC. Used for automatic generation of all originated Q/R message headers unless terminal uses "exception" parameters on a specific query. Before submission of a TSR requesting AUTODIN Query/Response service, ensure that the requirement has been submitted through DCA to JCS for approval in accordance with the policy promulgated by JCS message 181406Z Aug 82.

General Service Community.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 340. | <u>Precedence.</u> (Normally specified as Immediate for preferential Q/R handling unless terminal does not require fast response time.) |
| 341. | <u>Normal Destination RI.</u> Enter RI of normal destination. |

³See footnote 2 on p. 3-28.

ITEMDESCRIPTION

342. Security. Enter security desired for normal query header built by ASC.

343. Content Indicator Code. Enter normal content indicator code.

344. Unassigned.

DSSCS Community. All channel parameters, routing indicators, etc., will be provided to DCA by NSACSS for necessary action. All requests and data should be submitted at least 30 days before the scheduled activation or date required. (NSA DOI 103 applies.)

Routing Indicator Exceptions (Q/R Terminal Only).

345. General Service RI Exceptions. Enter up to five destination RI's in addition to the normal prestored destination RI. (Number of exception RI's specified relates to AUTODIN rates for Q/R service.)

346. DSSCS Community RI Exceptions. Enter the number of exception RI's required. Actual exception RI's will be specified in accordance with special DSSCS Q/R instructions.

Sequential Delivery Service Information.

347. Sequential Delivery of Multisegment Messages. Circle YES or NO. (The intended destination subscriber must also be classmarked at the destination AUTODIN switching center to provide this service.)

Cryptographic Keying Materials.

348. Unit to Provide Cryptomaterials.

(1) In all cases where KW-26 cryptodevices are used (both "R" and "Y") for Mode 2 and Mode 5 AUTODIN access in support of mobile, tactical, contingency, exercise, or training mission, the TCO will identify a unit other than the AUTODIN Switching Center (ASC) that will be responsible for providing the cryptographic keying material to both the ASC and the operating unit. This will normally be the unit requiring the service. In addition, the TCO must advise the provider of the COMSEC material to annotate the material transfer documentation as to the purpose and use of the material.

(2) In instances where KG-13 crypto devices are to be used for mobile, tactical contingency exercise or training missions (GENSER ("R") Community only), common cryptomaterial has been pre-positioned at all ASC's. The various military departments' potential users have been issued compatible keying material. This system will permit rapid establishment of secure access to any ASC worldwide. DSSCS ("Y") community KG-13 tactical contingency users will order necessary COMSEC material using established procedures for "Y" community point-to-point requirements.

(3) When KG-84 cryptodevices are to be used for mobile, tactical, contingency, exercise, or training missions (for GENSER or DSSCS), all ASC's have a pair-wise unique keymat that has been pre-positioned for potential users and is part of the Intertheater C3 COMSEC Package (IC3CP). USCINCSOC/RCJ6-0 is the controlling authority, and as such, must be included as an addressee in all message traffic pertaining to the use of KG-84 cryptodevices.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|--|
| 349. | <u>Effective Transmission Rate (ETR) Service.</u> Circle YES if ETR service is desired and specify whether the capability is for "ETR Output Only" or "ETR Both Input and Output". This service is optional and is available only to Mode I terminals operating in "Continuous Mode", and at line speeds of 1200 baud or higher. (ETR service is not available in Overseas AUTODIN). Circle NO for those terminals not using ETR. |
| 350. | <u>Transmission Identifier (TI) Line Option.</u> Circle YES if service is for Mode II, Mode V, Mode I-ETR operation, or if the channel will be using ACP format. Circle NO for those terminals not using TI lines.

(NOTE: The TI line option is mandatory on all channels using ACP format, Mode II and Mode V operation, and certain Mode I terminals electing to use ETR service. Use of the TI line is optional on Mode I (Non-ETR) JANAP format channels. Under normal circumstances use of the TI line is not required in Mode I operation because of channel controls inherent in the Mode I protocol. The TI line option is made available to the user if message accountability by Channel Sequence Number (CSN) is desirable). |
| 351. | <u>End of Medium (EM) Capability.</u> Circle YES if service requested is for Mode II, Mode V, or Mode I TI line operation. The EM capability is optional on Non-TI line Mode I operation. Circle NO if the EM capability is not to be used.

(NOTE: All Mode II, Mode V, and Mode I TI line terminals must have EM capability. (This does not apply to card only terminals). Mode I terminals using the EM capability must be able to process the End of Lineblock (EOLB) upon detection of the EM character. This rule does not apply to Mode II and Mode V terminals). |
| d. | <u>DDN Service Information (Host and Terminal Only).</u> |

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 352. | <u>URDB Identification Number.</u> Enter the 9-digit host or 13-digit terminal identification number listed in the DCA DDN User Requirements Data Base (URDB) that is associated with this requirement. The first two digits represent the Agency code, the third through sixth digits represent the ADP Unit (DPI) number, the seventh through ninth digits represent the Host System number and tenth through thirteenth digits (for terminals only) represent the terminal number. |

<u>ITEM</u>	<u>DESCRIPTION</u>
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353. System Acronym Name. Indicate the system acronym name that this requirement pertains to; i.e., IGMIRS, JOINS, JUMPS, etc. If requirement does not pertain to a system, indicate NA.
354. Unassigned.
355. Dual Home Requirements. Host connections only; indicate YES or NO if dual-homing is required. The term dual home means that the host needs two different node connections with two different addresses. If dual homing is required, justification must be provided in TSR item 501 along with both TSR numbers associated with the requirements which are being submitted for the dual home service.
356. Security Classification. Indicate the highest traffic security level to be handled.

TOP SECRET	RESTRICTED
SECRET	EFTO
CONFIDENTIAL	UNCLASSIFIED

Interface Information. Indicate which of the following general types of interface will be implemented. The prospective subscriber is responsible for development and implementation of interfaces for this system, and for specifying the access line type, per chapter 1, table 2. Detailed specifications for DDN interfaces will be furnished by DCA. Prior to system cutover to DDN, the subscriber-developed interface will be subject to formal qualification test and approval by DCA.

<u>ITEM</u>	<u>DESCRIPTION</u>
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357. Host Interface Type. Indicate the software (HDH, 1822DH or X.25) interface along with the hardware (RS232C, V.35, MIL-STD-188-114 Balance or DH (Direct Connection Host to IMP)) interface in support of this host connection. (Host only)
358. Interface Type. Indicate if interface is TEMPEST or non-TEMPEST approved (Host only).
359. Unassigned.
360. Unassigned.
361. Unassigned.
362. Precedence. Indicate the maximum precedence level at which the host or terminal may transmit a packet. If a level four precedence (flash or flash override) is selected, provide JCS justification approval number and/or cite the OJCS authorization message in TSR item 505.

FO - Flash Override	P - Priority
F - Flash	R - Routine
O - Immediate	

Crypto Account Information. For subscribers that have a requirement to be connected to the classified subnetwork of the Defense Data Network provide information required in items 363 through 366 as follows:

- | ITEM | DESCRIPTION |
|---------|--|
| 363. | <u>Crypto Account Number.</u> Enter the subscriber's supporting crypto account number. |
| 364. | <u>Crypto Account Custodian.</u> Enter the crypto account custodian's name and telephone numbers, both AUTOVON and commercial. |
| 365. | <u>Crypto Account Custodian Mailing Address.</u> Enter the crypto account custodian's mailing address. |
| 366. | <u>Crypto Account Custodian Plain Language Address (PLA) Message Address.</u> Enter the crypto account custodians's message PLA. |
| 367. | <u>DDN Subnetwork.</u> Enter the name; e.g. DISNET, MILNET, SCINET, WINCS, ARPANET, to which it is desired for this requirement to be connected. |
| 368. | <u>Host Name.</u> Indicate the host name in support of this requirement. A "name" (Net, Host, Gateway, or Domain name) is a text string up to 24 characters drawn from the alphabet (A-Z), digits (0-9), and the minus sign (-) and period (.). No blank or space characters are permitted as part of a name. The first character must be a letter. The last character must not be a minus sign or period. A host which serves as a gateway should have "-gateway" or "-GW" as part of its name. A host which is a TIP or a TAC should have "-TIP" or "-TAC" as part of its host name, if it is an ARPANET or DoD host (e.g., DDN1.ARPA-TAC). (Host only). |
| 369-400 | Unassigned. |

e. Narrative Information.

- | ITEM | DESCRIPTION |
|------|---|
| 401. | <u>Purpose of TSR.</u> Provide a short, concise statement of the purpose for which the TSR is being issued. A narrative description of the service is not needed, since the individual items usually convey all desired data. If the items do not cover all details of the requirement, a narrative explanatory statement may be entered in item 417. |
| 402. | <u>TSR Contact.</u> Provide name, organization, and telephone number (commercial and DSN/AUTOVON) of TCO representative preparing the TSR. This will facilitate coordinating any queries by DCA representatives. |
| 403. | <u>Justification for Restoration Priority.</u> Ensure that the lead sentence contains the assigned RP. Justification and assigned RP must reflect the criteria established in reference 4h. Justification and assigned RP for service wholly within DCS geographical areas 3, 4, and 5 will be in accordance with the USCINCEUR Supplement to NCS Memo 1-68, EUCOM Directive 100-3 (Restoration Priority Assignment in the European |

ITEMDESCRIPTION

Theater). (Non-DoD agencies refer to reference 4p.) Also see chapter 1, paragraph 4j, this Circular. TSR should be concurrently submitted to NCS for certification if applicable IAW chapter 4, paragraph 3f, this Circular. This item must be submitted whenever an RP other than 00 is requested in item 102.

- 404_. Unique Installation Factors. If unique factors apply to Government-owned facilities or commercial companies, provide details to facilitate installation. Describe these items or factors and list them for each user location, as in 404A, 404B, 404C, etc., correlated with locations in items 120A, 120B, 120C, etc.
405. ADPE Statement. If the requirement is for automatic data processing equipment (ADPE), state compliance with DoD and GSA regulations for procurement of ADPE. Utilization of ADPE in a communications environment requires compliance with appropriate DoD and military department directives. Prior to submitting a circuit TSR requirement involving the use of ADPE when the ADPE is not already on hand, the TCO must comply with the appropriate regulations and reference 4a, chapter 1. Reference 4a, chapter 6, will be followed when requesting the acquisition of ADPE by DCA/DECCO.
406. Justification for Other Than Full and Open Competition. (See Chapter 2, paragraph 2.1., page 2-9). When the acquisition of a telecommunications service is being requested without full and open competition, or a specific make/model of equipment is specified, a justification with technical and management certifications must be provided. Such justification and certifications are required by Federal Acquisition Regulation (FAR) 6.303 and Department of Defense FAR Supplement (DFARS) 6.303-1(B)(70). Each justification shall include (1) sufficient facts and rationale to justify the use of specific authority cited and (2) technical and management certifications that the government's minimum needs and/or schedule requirements (or other rationale used as the basis for the justification) have been reviewed and are deemed accurate and complete. If the use of specific make/model of equipment cannot be justified, the minimum technical requirements/specifications for the equipment shall be provided in TSR item 407. When there will be many on-going requirements for a system, a class justification may be requested. If the telecommunications service is part of a system covered by a class justification, identify the class justification and the date of the class justification that is applicable to the requirement. Requirements submitted without the required justification and certifications will be processed by DECCO using competitive procedures. Competitive procedures also apply to emergency NSEP and essential NSEP requirements, (and emergency and urgent requirements in foreign areas not subject to NSEP procedures), unless they are accompanied by a justification for other than full and open competition. As a minimum, information cited in chapter 2, paragraph 21 of this Circular shall be included in the justification provided to DECCO.

ITEMDESCRIPTION

- 407_. Equipment to be Acquired by DECCO. Provide the technical specifications and the quantity for equipment to be acquired by DECCO. If the technical specifications are to be provided under separate cover it should be referenced in this item. List equipment and specific equipment delivery address required at each user location as in 407A, 407B, 407C, etc., correlated with locations in 120A, 120B, 120C, etc. If specific commercial equipment is required, provide a recognized designation, e.g., 201B MODEM, and item 406 justification. NOTE: Equipment cannot be purchased under the Defense Commercial Telecommunications Network (DCTN) contract. Equipment is either acquired as part of a DCTN user-to-user end-to-end service lease or is acquired as a separate equipment purchase . on.
408. Objections to Satellite Service. State any objection to satellite routing and operations (e.g., objection to more than one satellite hop). Include all valid technical reasons/parameters. See item 119D.
409. CCO/CMO to Accept Service. Recommend a facility or activity who will accept service on behalf of the U.S. Government, monitor service performance, submit DD Form 1368, Modified Use of Leased Communication Facilities Report (see reference 4a, chapter 8), and submit applicable completion report(s) in accordance with chapter 2, paragraph 10, this Circular. This activity is usually the Communications Control Office (CCO), which is a DCS Technical Control Facility (TCF), Patch and Test Facility (PTF), Monitoring and Test Center (MTC), Maintenance Access Facility (MAF) at the TCF, or other such facility where a circuit/trunk is accessible for either local or remote testing. Some circuits/trunks do not pass through a TCF/PTF or some other activity within the circuit/trunk routing and/or cannot be accessed by the CCO facility through a remote testing capability. If this is the case, a CCO cannot be assigned; however, another activity which has the administrative responsibility to serve as the focal point for day-to-day monitoring of service performance, accepting service on behalf of the U.S. Government, and submitting the applicable completion report(s), must be designated. This activity, referred to as a Communications Management Office (CMO), may be in the circuit/trunk path, but does not have the capability of performing the CCO function as defined in reference 4s. To recommend a CCO/CMO, enter the geographical location, state/country code, and facility code (GEOLOCO/SC/ENR) (if known) or state name of activity (for CMO only) and current AUTOVON phone number (or commercial number if AUTOVON is not available) of the office responsible for CCO/CMO functions. Information in this item is restricted to 43 alpha-numeric characters (including spaces, slashes (/) and dashes (-)); 15 positions for GEOLOCO/SC/ENR or activity name, and 27 for telephone number, which could include alpha characters to identify AUTOVON (A), commercial (C), or civilian (CIV) phone numbers or other similar information. Examples of possible input could be

"FTSHAFT/15/PTF/A315-438-1234"; "NGB WASHINGTON/C202-321-1234 EXT 987"; "HEIDLBRG/GE/TCF/A480-1110 ERWIN 4175".

ITEMDESCRIPTION

410. Demarcation Point for Interface of Government-Owned Segments with Leased Segments. Designate a demarcation point at each user's location where the circuit will be composed of both Government-owned and leased segments. User locations will be identified as 410A, 410B, 410C, etc., in correlation with locations in items 120A, 120B, 120C, etc. The demarcation point will be the point (building, floor, room, area, etc.) where the local post, camp, base, or station administrative or tactical Government-owned segment meets the common carrier segment. This item can also be used to describe demarcation between a leased circuit and customer premise equipment (CPE). The demarcation is based upon regulatory guidance.
411. Security Requirements for Controlled Access Facilities. If the requirement is for contracted service which requires access to an AUTODIN switch or any other controlled access facility, state the security requirement (reference 4j).
- (1) "Security clearance not required. Work is of an unclassified nature."
 - (2) For those services which are being provided under a current contract for which a DD form 254 has been issued or is being provided under a current Project/Program for which a DD form 254 has been issued (whichever is later), include the statement: "The security guidance pertaining to Project/Program (identify) applies to this requirement. The following security clearance and special access authorizations are required; e.g., TOP SECRET, SECRET, CRYPTO, etc."
 - (3) For those services which are provided under a current contract or a current Project/Program (whichever is later) and which require initial or amended security guidance, include the statement: "The security guidance will be contained in DD form 254 and forwarded to DECCO and others, when required, under separate cover."
412. Activity to Receive Special Periodic Progress Report from Contractor. The TCO is authorized to require special periodic progress reports from the contractor in those special cases where significant operational impairment would result from a delay in the ordered service (or where dollar cost of the required service exceeds \$10,000 per month for any one order) and such a report is required for management purposes. The TCO will designate the using or other activity to receive these reports and take coordination action to assume the activation of the service as required.

<u>ITEM</u>	<u>DESCRIPTION</u>
413.	<u>Overseas Shipping Instructions.</u> When use of military transportation is necessary to transport equipment to overseas locations, designate the DODAAD (Department of Defense Activity Address Directory) code and ship to/mark for instructions pertaining to the destination activity. Identify special shipping requirements (e.g., specific aerial port transportation priority, etc.) if appropriate. Include AUTOVON and commercial telephone number of the receiving officer.
414.	<u>Connection Approval.</u> If U.S. Government-furnished equipment is to be connected to leased circuits in Australia, New Zealand, or DCS geographical areas 3, 4, 5, or 6, cite prior approval documentation, or enter "CA required" along with supporting information. Follow-on technical coordination with the carrier(s) : the responsibility of the requiring activity. Designate the point of contact which will provide this coordination. (See chapter 1, paragraph 4f.)
415A.	<u>DCA Control Number.</u> For exercise circuits only. Enter the four-character DCA control number (DCN) assigned in accordance with chapter 4 paragraph 3j. If the TSR is for an exercise or project that requires an entry in item 415B and a DCN is not assigned or required, "NA" will be entered in this item. If no entry is required in either item, both may be excluded from the TSR.
415B.	<u>Exercise/Project Name.</u> If the TSR is in support of an exercise, special plan, project, etc., its name, if unclassified, should be included here. If the exercise, plan, or project name is classified or if its association with other TSR items would cause those items to be classified, procedures specified in chapter 4, paragraph 3j, will be followed.
416.	<u>Cost Threshold.</u> When the requirement for service is contingent upon service being provided within a cost threshold, include the cost ceiling. Maximum amount that can be entered is \$9,999,999.
417.	<u>Enter Remarks.</u> Enter any narrative remarks which will help to clarify the request for service or to convey any information which cannot be described by existing TSR items. Information regarding Emergency/Essential NSEP requirements must be entered here. See supplement 11 for details. If user equipment is being provided by other means, include a statement as to the date the terminal equipment will be available for connection to the circuit. Exempt categories for DDN service under which the exemption falls, must be included in this TSR item when the word "EXEMPTED" is used in item number 152 of the TSR. See chapter 4, paragraph 3m(4) for additional information. Identify any facility (at the end user locations) capable of performing the technical control function through which the circuit should be routed by the TSO issuing authority. Specify GEOLOCO, building, room number and point of contact at each location. Other narrative remarks may be used as deemed appropriate by the TCO. Specific item numbers should be used instead of item 417 to ensure proper inclusion and transfer of data in automated processes. State names of items being superseded; e.g., PDC, RP.

ITEMDESCRIPTION

418. DD Form 1368. Designate the activity which will submit DD Form 1368: Modified Use of Leased Communication Facilities, in accordance with reference 4a.
419. Unassigned.
420. Toll Calls, TWX, PDN, or Metered Services. When it is known or anticipated that toll calls, TWX, metered services, or PDN usage will be involved, designate the validating authority (certifying official) by position title and mailing address.
421. U.S. Gateways. When operational requirements exist, specify the U.S. gateway that must be used for leased transoceanic services.
422. Transmission Media. If specific routes or transmission media are required or desired for leased services, enter the code from reference 4b, chapter 58. See item 119D also.
423. 24-Hour On-Call European Telecommunications Maintenance Service. Available in Germany from Deutsch Bundespost (DBP) and in England from British Telecommunications PLC (BT). If the service is desired, submit the following statement: "Restoration of this circuit is required on a 24-hour basis, including after duty hours, and holidays." Also include the point of contact (position, not name) and telephone number (both military and civilian) of the agency authorized to call out the service.
424. ALLA Number and RP. Enter the ALLA number and its associated RP if the request involves a change or disconnection of a circuit which traverses or terminates within Europe.
425. Simultaneous TSR Action. Enter the TSR numbers (and specific instructions) of other requests which are to be worked in conjunction with this TSR; e.g., NA14JUL780317.
426. Bit Error Rate. Bit error applies to data circuits. It is stated, for example, as 1 times 10 to the minus 7 in 30 minutes (1×10^{-7} over 30 min).
427. Equipment Lease or Purchase Options. Identify one of the following options for lease or purchase of equipment:
- LEASE
 - LEASE WITH OPTION TO PURCHASE
 - LEASE TO OWNERSHIP
 - OUTRIGHT PURCHASE WITH INSTALLATION
 - OUTRIGHT PURCHASE WITHOUT INSTALLATION
 - PURCHASE EXISTING EQUIPMENT (Where no purchase option (priced and evaluated) exists)

Notes regarding equipment purchase:

(1) If the total price of all existing equipment to be purchased on a single contract/CSA does not exceed \$2,500, submit a CHANGE TSR requesting purchase from the existing vendor.

(2) If the total price of existing equipment to be purchased on a single contract/CSA exceeds \$2,500, submit a START TSR, or a CHANGE TSR and a justification for OTFAOC.

<u>ITEM</u>	<u>DESCRIPTION</u>
428.	<u>Basic Termination Liability (BTL)</u> . On discontinue TSR's, specify YES or NO as appropriate, to permit DECCO to pay remaining BTL's. On start TSR's, specify YES or NO as appropriate, to permit DECCO to enter into a contract with a BTL.
429.	<u>Circuit Specifications</u> . Provide either specific conditioning requirements or commercial carrier designation.
430.	<u>Estimated Service Life</u> . Enter the estimated number of months that the service will be required. The service life shall not be longer than the contract life. Contract life is the period beginning on the contract effective date and ending on the contract expiration date, including the implementation period and any options to extend. The life of a supply or service contract shall not exceed 60 months. If the service contract is for communication service, the contract life shall not exceed 120 months. This item is required on all start requests for leased service, equipment, and systems to be acquired by DECCO. (TSR's for temporary service, must identify a specific disconnect date and are exempt from this requirement.) This item should be left blank on change requests since the estimated service life will remain as originally established. If the service will be required after the contract expiration date (or has already expired), a new REAWARD TSR (containing the same information as a start TSR, including CCSD) must be submitted in accordance with the leadtimes established for starts in tables 12, 13, and 14, chapter 4, of this Circular. (See chapter 2, paragraph 2k for additional information).
431.	<u>General Classification of Service</u> . Circle D if the service is DCS, N if the service is non-DCS. Refer to the definition of DCS and non-DCS in the Glossary of Terms, and to chapter 4, paragraph 3e, for submission of TSR's for non-DCS leased requirements. Exceptions must be approved by DCA, Code B240, and the approval cited in item 512.
432.	<u>Cost Indicator</u> . Costs for services leased through DECCO will be applied in accordance with the policy stated in the definition for DCS and non DCS in the Glossary of Terms and as amplified by chapter 4, paragraph 3g. TSR item 432 is not required if the TCO desires the costs to be applied in accordance with the cost policy. Deviations from the cost application policy must have prior approval by Hq, DCA, Code B240, and the approval cited in TSR item 512.

If there is an approved deviation from the cost policy, enter the appropriate code in item 432. This code will be used in association with the item 431 entry. Codes to be used are: V - used when there is a mixture of costs at variance with the cost application policy (a description of the variance must be provided in item 417); N - used by a DoD agency when all costs are to be identified as non-DCS; D - used by any agency when all costs are to be identified as DCS.

ITEMDESCRIPTION

- 433_. Leased Equipment to be Removed. List the type of leased equipment to be removed. Provide the Uniform Service Order Code (USOC) or a full nomenclature. This item should not be submitted to discontinue a circuit in its entirety. Correlate to user location as in 120A, 120B, 120C, etc.
- 434_. Leased Equipment to be Relocated. List the type of leased equipment to be moved. Provide the USOC or a full nomenclature. Correlate to user location as in 120A, 120B, 120C, etc.
435. Unassigned.
436. WATS Service or WATS Equivalent Service. If request is for Wide Area Telephone Service (WATS), provide the hours and coverage required, banding information, inter/intra state service, and other related information pertinent to the required WATS service.
- 437_. Customer Premise Inside Wire Installation (CPIWI) and Maintenance (CPIWM). This item is required for all start and applicable change requests for leased circuitry within the United States. List inside wire installation and maintenance options, as identified below, for each user location; e.g., 437A, 437B, 437C, etc., will be correlated with locations 120A, 120B, 120C, etc.

(1) CPIWI. Circle "CPIWI-YES" if DECCO is to include the requirement for the installation of inside wire in the communication service contract with the end-to-end contractor. Such inside wire installation will be obtained on a time and material basis. Circle "CPIWI-NO" if there is no inside wire installation associated with the requirement or the customer desires to make their own arrangements for installation of the inside wire.

(2) CPIWM. Circle "CPIWM-YES" if DECCO is to include the requirement for the maintenance of inside wire in the communication service contract with the end-to-end contractor. Where such inside wire maintenance is available, it will be obtained on a fixed monthly rate basis, or on a time and material basis when fixed monthly rate maintenance is not available.

Inside wire maintenance will only be obtained for inside wire which was installed under a DECCO contract. Circle "CPIWM-NO" if

there is no inside wire associated with the requirement or the customer will make their own arrangements for maintenance of the inside wire. Circle "CPIWM-CANCEL" if existing leased maintenance is to be cancelled.

ITEMDESCRIPTION

438_. Related Leased Equipment. This item will be used to identify DECCO leased equipment status as it relates to the circuit action being requested. An entry in this item is required for all TSR's. Correlate user locations as in 120A, 120B, 120C, etc. Valid entries are as follows:

- (1) Enter equipment CSA Number if leased equipment previously obtained through DECCO is to be used.
- (2) Circle NONE if no DECCO leased equipment is involved.
- (3) Circle BOTH if the TSR includes a request for both circuit and associated leased equipment.

439. Related Billing CSA Numbers. If the service is split billed, list all billing CSA numbers associated with the service. Split billing CSA numbers can be obtained from Inventory of Service (IOS) reports and CLAM's provided by DECCO.

440_. Access to Commercial Local Exchange Networks. Indicate the type of access to the commercial local exchange network which is applicable to the requirement.

Access to
Domestic
Public
Switched
Network

Specify either "Will Leak" or "Will Not Leak" to indicate whether or not the communications service requested will "leak" through a PBX or other switching device into the public switched network. "Leak" means that the service has the capability to be switched into the public switched network, which will result in a private line access surcharge. Correlate to the user locations shown in 120A, 120B, 120C, etc. This item is only applicable to services terminating in CONUS, Alaska, and/or Hawaii.

Access to
Federal
Republic of
Germany (FRG)
Public
Switched
Telephone
Network

Specify either "Internationale Mietleitung (IML) or "Internationale Festverbindung (IFV)" to indicate whether or not the service requested requires interconnection to the FRG Deutsche Bundespost (DBP) public switched networks (PSN). IML allows NO interconnection to the DBP PSN. IFV DOES allow connection to the DBP PSN. This item only applies to international services terminating in FRG and does not apply to internal FRG circuits.

<u>ITEM</u>	<u>DESCRIPTION</u>
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441. Lease Versus Buy Analysis. In accordance with the FAR Subpart 7.4, DoD FAR Supplement 7.401 and 7.402, and DCA policy, all requests for the acquisition of equipment will contain the rationale (i.e., cost, operational) supporting the decision to lease or purchase the requested service.
442. Maintenance of Purchased Equipment. Specify YES or NO to indicate maintenance support is/is not required for purchased equipment. If yes, identify the type of maintenance desired as shown below, or cite other required maintenance service. DECCO will acquire maintenance support, if available, for Government-owned equipment acquired by DECCO for the customer when the projected life cycle cost of the maintenance requirement exceeds the "small purchase" cost threshold (\$25,000). Maintenance for the equipment will be acquired by DECCO, if requested, for the initial contract period, including any option years. The service will not be procured on an end-to-end basis, and the user assumes the responsibility for integration, end-to-end technical sufficiency, and fault isolation.

8-Hour a Day On Site Maintenance. Maintenance will be performed by the contractor 8:00 A.M. through 4:00 P.M., Monday through Friday, with the exception of Government holidays.

24-Hour a Day On Site Maintenance. Maintenance will be performed whenever required, regardless of the time of the day, including all holidays.

f. Justification and Approvals.

<u>ITEM</u>	<u>DESCRIPTION</u>
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501. Justification of Service Requested. Provide justification for the requested service. If dedicated service is being requested, cite specific reasons why DCS switched systems (AUTODIN, DDN, or DSN/AUTOVON) cannot satisfy your requirements. Also, provide justification if dual access is required.
502. Identification of Reference.⁴ Has this service been requested by elements of higher echelon than your activity? If so, identify and, if possible, cite reference.
503. Approval Document. If service requires OASD, JCS, CINC, FAA, NWS, or NOAA approval, cite document which provides their approval.
504. Justification for MCA. If DSN/AUTOVON or AUTOSEVOCOM, provide justification for maximum calling area. Justification required only if service other than local area is requested or a community of

⁴Not required by DCA. Provide only when required by JCS, CINC's, etc.

interest is specified. If the requested MCA has been previously approved, cite the approval document.

- | <u>ITEM</u> | <u>DESCRIPTION</u> |
|-------------|---|
| 505. | <u>Justification of Precedence.</u> If DSN/AUTOVON or AUTOSEVOCOM service is requested and other than routine precedence is intended, provide justification. Demonstrate how the nature of traffic and the speed of service meet the Joint Uniform Telephone Communications Precedence System Criteria. If the requested precedence assigned has been previously approved, cite the approval document. (If precedence is for Flash or Flash Override, area, CINC, and JCS approvals are required.) If the DDN requirement is requesting FLASH or FLASH OVERRIDE (level four) precedence, provide JCS justification approval number and/or cite the OJCS authorization message in this item. |
| 506. | <u>Justification of Abbreviated Dialing.</u> ⁵ If DSN/AUTOVON abbreviated dialing is required, provide justification. Provide DSN/AUTOVON numbers of distant end users in item 220. |
| 507. | <u>Justification of DSN/AUTOVON Conference Service.</u> ⁵ Provide listing of conferees, giving name or DSN/AUTOVON number and citing location and country if conference service is required. |
| 508. | <u>Justification of Offhook Service or Preemption Capability.</u> ⁵ If offhook service or preemption capability is required, provide justification. Identify distant end user or users in items 120B, 120C, etc. Provide telephone number. |
| 509. | <u>Unassigned.</u> |
| 510. | <u>Funding TCO Approval.</u> ⁶ Cite approval documentation. |
| 511. | <u>Unassigned.</u> |
| 512. | <u>DCS/Non-DCS Approval (Applicable to DoD Agencies Only).</u> Enter a statement to the effect that "Approval to designate this service as DCS or non-DCS granted by DCA, Code B240 (message or letter)." Not applicable to requirements for equipment only. |
| 513. | <u>AMPE Approval.</u> Requirements for AUTODIN service involving the procurement of Automatic Message Processing Exchange (AMPE) systems, including Local Digital Message Exchange (LDMX) systems, Automated Multimedia Exchange (AMME) systems, and Intermediate Capacity Automated Telecommunications System (ICATS), and requirements meeting the Joint Uniform Telephone standards as covered in reference 41, require DoD approval. AMPE's may be directly connected to each other only with JCS approval. Cite such approvals here. |

⁵Not required by DCA. Provide only when required by JCS, CINC's, etc.

⁶Required only when TSR is submitted by a TCO citing the funds of a different TCO.

ITEMDESCRIPTION

514. Requesting Activity's Requirement Number. Enter the number, if any, assigned to the requirement by the requesting activity (feeder TSR number). This information will be used for reference purposes. In addition, if the requirement is for a DDN service, enter the requester's program designator code and the DDN connect order numbers following the requester's feeder TSR or RFS number. Each item should be separated by a slash (/); e.g., XA10JUN850160/BLGAAA/DDN C.O. 10234.0.

FCC Registration, Ringer Equivalency Number and Service and Facility Interface Code. Part 68 of the Federal Communications Commission (FCC) rules and regulations, also known as the Telephone Equipment Registration Program, is designed to ensure the interoperability of the public switched network and private line service with equipment manufactured by a multitude of firms. The implementation of the program involved the establishment and enforcement of standards applicable to network requirements. As a result of implementing these standards, installed equipment was considered "GRANDFATHERED," dates were established after which only registered equipment could be connected to the network, and a system was established to assign registration and ringer equivalency numbers, and to establish service and facility interface codes. TSR items 515 through 518 as described below will be used to satisfy this requirement. Correlate each item to user location as in items 120A, 120B, 120C, etc.

ITEMDESCRIPTION

- 515_. Registration Number. Enter the FCC registration number for each circuit terminal if the service is to be connected or switched into the nationwide commercial telephone network and the customer is providing the circuit terminal equipment. Equipment that is registered for connection to WATS, LDMTS, and Category I private line service will have a registration number similar to the following: AB1 CD2-34567-PF-E. The registration number is broken down as follows:

- AB1 - Grantee of Registration Number.
- CD2 - Manufacturer of Registered Equipment.
- 34567 - Unique Code for the Registered Equipment.
- PF - Type of Terminal Equipment. For multiline terminating systems it identifies not only the type of system but also the network protection it provides. (For multiline terminating systems, identify the terminating cable and cable pairs in item 417.)
- E - Network Address Signaling

- 516_. Ringer Equivalency Number (REN). Equipment that is registered as defined above will also be assigned a Ringer Equivalency Number similar to the following: 1.0B.
- 517_. Service Code. Equipment registered for the above and category III private line service will be assigned a service code similar to the following: 9.0F.
- 518_. Facility Interface Code and Port Class Identifier. A Facility Interface Code is required for the connection of Grandfathered Customer Premise Equipment (CPE) to Private Line Service except for non-switched voice band data services. When off-premise service is being installed from a multiline system, grandfathered equipment will have a port class identifier also. A sample of these codes follows:

Grandfathered: 11-TT-MB

Grandfathered: 11-TT-MB-A (off-premise service)

TABLE 4. COMMUNITY OF INTEREST (COI) EUROPE

SERVING AUTOVON SWITCH	CODE	COMMUNITY OF INTEREST
Uxbridge MFS	0	None
Mildenhall MFS	1	United Kingdom
Alconbury MFS	2	Germany, Belgium
Fairford MFS	3	Spain, Italy, Greece
Feldberg	0	None
Langerkopf	1	Germany, Belgium
Schoenfeld	2	United Kingdom
Donnersberg	3	Spain, Italy, Greece
Coltano	0	None
Mount Vergine	1	United Kingdom, Italy
	2	Spain, Greece
	3	Germany
Mount Pateras	0	None
	1	Spain, Italy
	2	Greece, United Kingdom
		Turkey
	3	Germany
Torrejon MFS	0	None
	1	United Kingdom
	2	Spain, Greece
	3	Italy, Germany

NOTE: Each switch is capable of recognizing up to three community of interest groups with which each of the four-wire or PBX access lines can be associated. A single-digit code indicates the grouping available at the various switches as indicated above.

TABLE 5. COMMUNITY OF INTEREST PRECEDENCE (COIP)

-
- 0 - Flash Override
 - 1 - Flash
 - 2 - Immediate
 - 3 - Priority
 - 4 - Routine
 - 5 - No Community of Interest
-

NOTE: The community of interest precedence service is the privilege granted to AUTOVON subscribers or users to exercise a precedence level higher than they are normally authorized, but only within a selected group of subscribers and users. For example, subscribers who have a "Priority" precedence ceiling may be authorized to key-in "Flash" in placing a call to a member of their group or community. Calls to any other AUTOVON subscriber or user may be completed only on a Priority or lower precedence.

TABLE 6. DSN/AUTOVON AND AUTOSEVOCOM MAXIMUM CALLING AREA INDICATOR CODES

EUROPE			
GENERAL	UNITED KINGDOM UXB, MDH, ABE, FRD	CENTRAL EUROPE DON, FEL, LKF, SCH	MEDITERRANEAN MPT, CTO, T3N, MTV
01 - Global	Global	Global	Global
02 - Area and CONUS	Europe and CONUS	Europe and CONUS	Europe and CONUS
03 - Area	Europe	Europe	Europe
04 - Local	United Kingdom	Germany and Belgium	Mediterranean (Greece, Italy, and Spain)
05 - Global with preset conferencing	Global with preset conferencing	Global with preset conferencing	Global with preset conferencing
06 - Area and CONUS with preset conferencing	Europe and CONUS with preset conferencing	Europe and CONUS with preset conferencing	Europe and CONUS with preset conferencing
07 - Area with preset conferencing	Europe with preset conferencing	Europe with preset conferencing	Europe with preset conferencing
08 - Local with preset conferencing	UK with preset conferencing	Central Europe with preset conferencing	Mediterranean with preset conferencing

TABLE 6. DSN/AUTOVON AND AUTOSEVOCOM MAXIMUM
CALLING AREA INDICATOR CODES (CON.)

<u>CONUS</u>	
<u>GENERAL</u>	
01	Global
02A	CONUS plus Pacific Area
02B	CONUS plus European Area
02C	CONUS plus Caribbean Area
03	CONUS only
05	Global with pre-set conferencing
06	CONUS and area with pre-set conferencing
07	CONUS with pre-set conferencing
<u>CARIBBEAN</u>	
<u>GENERAL</u>	<u>COROZAL</u>
01 - Global	Global
02 - Area and CONUS	Caribbean and CONUS
03 - Area	Caribbean
04 - Local	Corozal
05 - Global with pre-set conferencing	Global with pre-set conferencing
06 - Area and CONUS with pre-set conferencing	Caribbean and CONUS with pre-set conferencing
07 - Area with pre-set conferencing	Caribbean with pre-set conferencing
08 - Local with pre-set conferencing	Corozal with pre-set conferencing

TABLE 6. DSN/AUTOVON AND AUTOSEVOCOM MAXIMUM CALLING AREA INDICATOR CODES (CON.)

PACIFIC			
GENERAL	HAWAII WHW	PHILIPPINES CLK	GUAM FGB
01 - Global	Global	Global	Global
02 - Area and CONUS	PAC and CONUS	PAC and CONUS	PAC and CONUS
03 - Area	PAC	PAC	PAC
04 - Local	Hawaii	Philippines, SWP, and Okinawa	Local (Trouble Desk Only)
05 - Global with preset conferencing	Global with preset conferencing	Global with preset conferencing	Global with preset conferencing
06 - Area and CONUS with preset conferencing	PAC and CONUS with preset conferencing	PAC and CONUS with preset conferencing	PAC and CONUS with preset conferencing
07 - Area with preset conferencing	PAC with preset conferencing	PAC with preset conferencing	PAC with preset conferencing
08 - Local with preset conferencing	Hawaii with preset conferencing	Philippines, SWP, and Okinawa with preset conferencing	None

TABLE 6. DSN/AUTOVON AND AUTOSEVOCOM MAXIMUM CALLING AREA INDICATOR CODES (CON.)

PACIFIC		
GENERAL	OKINAWA	JAPAN
01 - Global	Global	Global
02 - Area and CONUS	Pacific and CONUS	Pacific and CONUS
03 - Area	Pacific	Pacific
04 - Local	Okinawa, Japan, Philippines, and SWP	Japan, Korea, Philippines, Okinawa, and SWP
05 - Global with preset conferencing	Global with preset conferencing	Global with preset conferencing
06 - Area and CONUS with preset and conferencing	Pacific and CONUS with preset conferencing	Pacific and CONUS with preset conferencing
07 - Area with preset conferencing	Pacific with preset conferencing	Pacific with preset conferencing
08 - Local with preset conferencing	Okinawa, Korea, Japan, Philippines, and SWP with preset con- ferencing	Japan, Korea, Philippines, Okinawa, and SWP with preset conferencing

TABLE 6. DSN/AUTOVON MAXIMUM CALLING AREA INDICATOR CODES (CON.)

MAXIMUM CALLING AREA	DESCRIPTION
Local	<p>Local service is limited to traffic between subscribers who are homed on switches in the following geographical areas:</p> <ul style="list-style-type: none">United KingdomGermany and BelgiumMediterranean Area (Spain, Italy, and Greece)HawaiiPhilippines, SWP, OkinawaOkinawa, Japan, Philippines, and SWPJapan, Korea, Okinawa, and PhilippinesOkinawa, Philippines, and JapanCorozal
Area	<p>Area service is defined as service between subscribers who are served through a complex of switching centers in a specific geographical area. These geographical areas are as follows:</p> <ul style="list-style-type: none">CONUS (including Alaska)EuropePacificCaribbean
Area plus CONUS	<p>This service is available to subscribers in CONUS that have or Overseas access to both the CONUS area and an overseas area. In addition, this service is available to overseas subscribers that have access to both the overseas area in which they are located as well as the CONUS area.</p>
Global	<p>Global service will permit calls to any other subscriber throughout the worldwide DSN/AUTOVON System unlimited by geographical location.</p>

TABLE 7. SUBSCRIBER RATE CODES

CONUS DSN/AUTOVON SUBSCRIBERS							
TYPE OF SERVICE AND PREEMPTION CAPABILITY	MAXIMUM CALLING AREA				CADIN		
	<u>AREA</u>	<u>AREA PLUS</u>	<u>AREA PLUS</u>		<u>GLOBAL</u>	<u>AREA</u>	
	EUROPE	PACIFIC		CARIB			
	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	
Phone/Data and Sent Only PBX							
Flash (8) ¹	3A	EA	PA	CA	5A	9A	
Immediate (6)	3B	EB	PB	CB	5B	9B	
Priority (4)	3C	EC	PC	CC	5C	9C	
Routine (2)	3C	ED	PD	CD	5D	9D	
Straw-hat (8)		ET	PT				
Phone; Phone/Secure Voice; Switch Facility; Secure Voice, and Two-Way PBX.							
Flash (4) ¹	3E	EE	PE	CE	5E	9E	
Immediate (3)	3F	EF	PF	CF	5F	9F	
Priority (2)	3G	EG	PG	CG	5G	9G	
Routine (1)	3H	EH	PH	CH	5H	9H	
Receive Only	AX					AY	
Tail Segment CSA's	BX					BY	
Liability Circuits	CX					CY	
Equipment Use Only	EX					EY	
Emergency Use Only	FX					FY	

¹Weighted units in parentheses.

TABLE 7. SUBSCRIBER RATE CODES (CON.)

EUROPEAN DSN/AUTOVON SUBSCRIBERS					
TYPE OF SERVICE AND PREEMPTION CAPABILITY		MAXIMUM CALLING AREA			
		LOCAL	AREA	AREA AND CONUS	GLOBAL
Phone/Data and Send Only PBX		<u>CODE</u>	<u>CODE</u>	<u>CODE</u>	<u>CODE</u>
Flash	(8) ¹	42	32	22	52
Immediate	(6)	43	33	23	53
Priority	(4)	44	34	24	54
Routine	(2)	45	35	25	55
Phone; Phone/Secure Voice; Switch Facility; Secure Voice, and Two-Way PBX					
Flash	(4) ¹	46	36	26	56
Immediate	(3)	47	37	27	57
Priority	(2)	48	38	28	58
Routine	(1)	49	39	29	59
Receive Only		A1			
Tail Segment CSA's		B1			
Liability Circuits		C1			
Equipment Use Only		E1			
Emergency Use Only		F1			

¹Weighted units in parentheses.

TABLE 7. SUBSCRIBER RATE CODES (CON.)

CARIBBEAN DSN/AUTOVON SUBSCRIBERS					
TYPE OF SERVICE AND PREEMPTION CAPABILITY		MAXIMUM CALLING AREA			
		LOCAL	AREA	AREA AND CONUS	GLOBAL
Phone/Data and Send Only PBX		<u>SR CODE</u>	<u>SR CODE</u>	<u>SR CODE</u>	<u>SR CODE</u>
Flash	(8) ¹	4S	3S	2S	5S
Immediate	(6)	4T	3T	2T	5T
Priority	(4)	4U	3U	2U	5U
Routine	(2)	4V	3V	2V	5V
Phone; Phone/Secure Voice; Switch Facility, Secure Voice, and Two-Way PBX					
Flash	(4) ¹	4W	3W	2W	5W
Immediate	(3)	4X	3X	2X	5X
Priority	(2)	4Y	3Y	2Y	5Y
Routine	(1)	4Z	3Z	2Z	5Z
Receive Only		AS			
Tail Segment CSA's		BS			
Liability Circuits		CS			
Equipment Use Only		ES			
Emergency Use Only		FS			

¹Weighted units in parentheses.

TABLE 7. SUBSCRIBER RATE CODES (CON.)

PACIFIC DSN/AUTOVON SUBSCRIBERS					
TYPE OF SERVICE AND PREEMPTION CAPABILITY		MAXIMUM CALLING AREA			
		LOCAL	AREA	AREA AND CONUS	GLOBAL
Phone/Data and Send Only PBX		<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>	<u>SR</u> <u>CODE</u>
Flash	(8) ¹	4I	3I	2I	5I
Immediate	(6)	4J	3J	2J	5J
Priority	(4)	4K	3K	2K	5K
Routine	(2)	4L	3L	2L	5L
Straw-Hat	(8)		3Q		
Phone; Phone/Secure Voice; Switch Facility, Secure Voice, and Two-Way PBX					
Flash	(4) ¹	4M	3M	2M	5M
Immediate	(3)	4N	3N	2N	5N
Priority	(2)	4P	3P	2P	5P
Routine	(1)	4R	3R	2R	5R
Receive Only		AI			
Tail Segment CSA's		BI			
Liability Circuits		CI			
Equipment Use Only		EI			
Emergency Use Only		FI			

¹Weighted units in parentheses.

TABLE 8. SUBSCRIBER RATE CODES (AUTODIN)

STANDARD AUTODIN MSU SERVICE	
TYPE OF SERVICE	SR CODE
4800 baud MSU	DL
4800 baud Hybrid	DM
2400 baud MSU	DA
2400 baud Hybrid	DB
1200 baud MSU	DC
600 baud MSU	DN
300 baud MSU	DE
150 baud MSU	DG
Teletypewriter	DJ
Equipment Only	DY
On-Base Extension	DZ

TABLE 8. SUBSCRIBER RATE CODES (AUTODIN) (CON.)

AUTODIN QUERY/RESPONSE SERVICE (Applies to Q/R Terminals Only)				
ACCESS LINE SPEED	NO OF TERMINALS ACCESSED BY HOST	AREA ¹	SR CODE AREA PLUS ²	WORLDWIDE
High Speed (2400, 4800 baud)	1	L1	L5	L9
	2	L2	L6	LA
	3	L3	L7	LB
	4	L4	L8	LC
	5	LD	LF	LH
	6	LE	LG	LJ
Medium Speed (600, 1200 baud)	1	K1	K5	K9
	2	K2	K6	KA
	3	K3	K7	KB
	4	K4	K8	KC
	5	K5	KF	KH
	6	KE	KG	KJ
Low Speed (75, 150, 300 baud)	1	J1	J5	J9
	2	J2	J6	JA
	3	J3	J7	JB
	4	J4	J8	JC
	5	JD	JF	JH
	6	JE	JG	JJ

¹Area Service includes one of the following:

- (1) CONUS (excluding Hawaii)
- (2) Pacific (including Hawaii)
- (3) Europe

²Area Plus Service includes of the following:

- (1) CONUS to Europe or
Europe to CONUS
- (2) CONUS to Pacific or
Pacific to CONUS

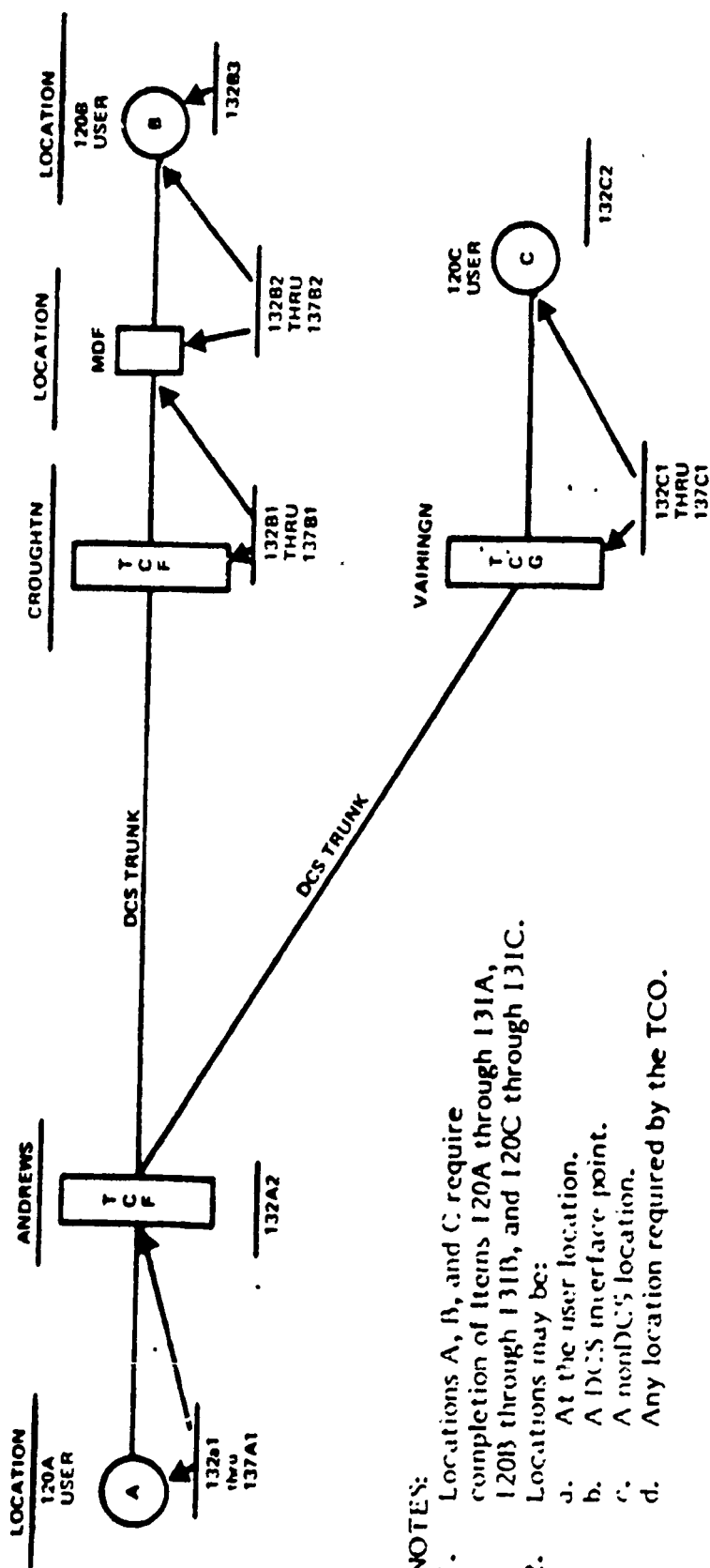
RESERVED FOR DDN SUBSCRIBER USAGE RATE CODE TABLE

TABLE 10. CONUS AUTODIN EQUIPMENT DESIGNATOR CODES--CAPABILITIES AND RESTRICTIONS

<u>Language Media Formats (LMF's)</u>								
<u>Code</u>	<u>Equipment</u>	<u>Mode</u>	<u>MOP</u>	<u>Format</u>	<u>Accepted for Output</u>	<u>Rejected Output</u>	<u>Converted on Output</u>	
							<u>From</u>	<u>To</u>
TO	ITA-2 paper tape	A11	A11	JNAP	C,A,T,R,F,G, N,K,L,Y&W	S,H,E,D, B&I	C,A,F,G,N,K,L, Y&W	T
AO	ASCII paper tape	A11	2,3&5	JNAP	C,A,T,E,F,G, N,K,L,Y&W	S,H,R,D, B&I	C,T,F,G,N,K,L, Y&W	A
CO	Cards only	I	4&5	JNAP	S,C,H,A,T,F, G,N,K,L,Y&W	R,E,D,B& I	A,T,F,G,N,K,L, Y&W	C
CT	Compound terminal Cards/ITA-2 tape	I	4&5	JNAP	S,C,H,A,T,R, F,G,N,K,L,Y&W	E,D,B&I	F,G,N,K,L,Y&W T A (IAW 2nd LMF)	T or C
CA	Compound terminal Cards/ASCII tape	I	5	JNAP	S,C,H,A,T,E, F,G,N,K,L,Y&W Y&W	R,D,B&I	F,G,N,K,L,Y&W A T (IAW 2nd LMF)	A or C
FT	ITA-2 paper tape	A11	A11	ACPF	C,A,T,R,F,G, N,K,L,Y&W	S,H,E,D, B&I	T,R,A&C	ACPF Format
FA	ASCII paper tape	A11	2,3&5	ACPF	C,A,T,E,F,G, N,K,L,Y&W	S,H,R,D, B&I	T,E,A&C	ACPF Format
MO	Magnetic Tape & Cards	I	5	JNAP	S,C,H,B,D,I, A,T,F,G,N,K, L,Y&W	E&R	A,T,F,G,N,K,L, Y&W	C
MT	Magnetic tape & cards/ITA-2 tape	I	5	JNAP	S,C,H,D,B,I, A,T,R,F,G,N, K,L,Y&W	E	F,G,N,K,L,Y&W T A (IAW 2nd LNF)	T or C
MA	Magnetic tape & cards/ASCII tape	I	5	JNAP	S,C,H,D,B,I, A,T,E,F,G,N, K,L,Y&W	R	F,G,N,K,L,Y&W A T (IAW 2nd LMF)	A or C

TABLE 11. OVERSEAS AUTODIN EQUIPMENT CODES (LMF CAPABILITY)

CODE	EXPLANATION
MO	Card and mag tape (JANAP 128/128M)
TO	ITA No. 2 TTY (JANAP 128/128M)
CO	Card only (JANAP 128/128M)
FT	ITA No. 2 TTY (ACP 127/127M)
CT	Card and ITA No. 2 TTY (JANAP 128/128M)
MT	Mag tape and ITA No. 2 TTY (JANAP 128/128M)
MA	Mag tape and ASCII TTY (JANAP 128/128M)
AO	ASCII TTY only (JANAP 128/128M)
FA	ASCII TTY only (ACP127/127M)
CA	Card and ASCII TTY (JANAP 128/128M)



NOTES:

1. Locations A, B, and C require completion of Items 120A through 131A, 120B through 131B, and 120C through 131C.
2. Locations may be:
 - a. At the user location.
 - b. A DCS interface point.
 - c. A nonDCS location.
 - d. Any location required by the TCO.

FIGURE 3. TYPICAL INTERCONNECTING MEDIA, USER TO DCS INTERFACE POINT

CHAPTER 4. SUBMISSION OF VALIDATED TELECOMMUNICATIONS SERVICE REQUESTS (TSR'S)

1. General. Telecommunications Service Requests for DCS service will be submitted to the DCA action agency responsible for providing the required service and to other addressees as necessary, depending upon the type of service required. The TCO must first determine the major category of service into which the requirement falls and then submit the TSR in accordance with the pertinent instructions contained in this chapter. All leased or Government-owned communications which interconnect posts, camps, stations, and bases, except when a specific request for exception by the customer has been approved by Headquarters, DCA, Code B240, are considered DCS assets.

2. Service Provided by DCA Action Agencies.

a. Services provided by DCA action agencies are categorized as follows:

(1) DCS service to fulfill:

(a) Special user requirements (Headquarters, DCA).

(b) Inter-DCA area routing and DCS areas 1, 2, 6, and 9 (DCA TMSO) requirements.

(c) DCS areas 3, 4, and 5 (DCA-Europe); DCS areas 7 and 8 (DCA-Pacific) requirements.

(2) Non-DCS service to fulfill DoD and certain non-DCS requirements.

b. Within the foregoing categories of DCS service, there are certain requirements, such as DSN/AUTOVON, AUTODIN, DDN, weather, Canadian, and Australian requirements, that are processed differently from the others. The normal processing of service requirements is discussed in paragraph 3; exceptions as noted herein are covered in paragraph 4. The processing of non-DCS requirements is covered in paragraph 3e.

c. When reviewing a particular requirement to determine its appropriate service category, the TCO must review each category that could apply. For example, a requirement could pertain to facilities completely within DCS areas 1 and 2 (areas for which DCA TMSO is normally responsible), but the requirement could be in the category of "special user requirements" processed by Headquarters, DCA (see paragraph 3e) or within one of the categories of exceptions noted in paragraph 2b.

3. Submission of TSR's for DCS Service. The following instructions pertain to submission of TSR's for DCS service within each of the categories noted in paragraph 2a.

a. Submission of TSR's for DCS Special User Requirements. (Figure 4 pertains to processing of special user and interarea requirements.)

(1) TSR's pertaining to DCS service required to meet the special user requirements which follow will be submitted to Headquarters, DCA, Code B240.

(a) Requirements in support of the President, the Secretary of Defense, the JCS, the NMCC, and the ANMCC.

(b) Requirements to provide DCS service in support of the non-DoD, NCS operating agencies, and other non-DoD agencies authorized to use the DCS.

(c) NATO circuit requirements for transatlantic and intra-CONUS service: DCA Europe (U.S. NALLA) will interface with the NATO requester (e.g., through the NALLA's) for processing NATO requirements. After reviewing each requirement (e.g., ALLA form 2) for pertinent information (e.g., NCS restoration priority equivalent) and for leased requirements, for the name of the U.S. carrier(s) with whom the order is to be placed, and for billing information, DCA Europe (U.S. NALLA) will forward the requirement to DCA, Code B240, for TSO processing. During crisis and war, the European NALLA's are tasked to insure that the communications capabilities of the commercial networks provide maximum support to military forces and critical Government functions. DCA Europe as the U.S. NALLA will directly interface with the European NALLA's and commercial carriers, to insure that all U.S. requirements (including transatlantic circuits) are afforded the attention required to assure satisfactory performance. The role of NALLA U.S. will complement Headquarters, DCA/DECCO operational responsibilities for transatlantic leased circuits in wartime, in accordance with annex VIII to volume I of ALLA compendium.

(2) The special user requirements that are assigned the following purpose-use codes as defined in reference 4b: AP, CQ, DJ, DK, DM, DO, DS, DT, FB, KN, KR, KW, KZ, SB, TF, VP, VQ, WF, WG, WH, WJ, WK, will be submitted to Headquarters, DCA, Code B240, whether the requirement is for dedicated or switched network service.

b. Submission of TSR's for Inter-DCA Area and for DCS Areas 1, 2, 6, and 9 Requirements. TSR's for inter-DCA area service, and for DCS service within DCS areas 1, 2, 6, and 9, will be submitted to DCA Telecommunications Management and Services Office (TMSO), Scott AFB, Illinois. TSR's in these categories, excluding special user, DCA-Europe, and DCA-Pacific requirements (see paragraph 2 of this chapter), and excluding TSR's which are processed differently from normal TSR's (see paragraph 4 of this chapter), are processed as follows:

(1) TSR's for DCS service that will extend from the DCS geographical area(s) served by one DCA action agency to that of another will be processed as shown in figure 4.

(2) If the requirement is for equipment only and is to be filled solely by leasing action within one specific area, figure 5 applies.

(3) TSR's for other U.S. requirements for DCS service within and between areas 1, 2, and 9 will be processed in accordance with figure 6, except for leased equipment only requirements, covered in figure 5. Requirements for service in Alaska will be submitted to DCA TMSO with an information copy to DCA-Alaska.

(4) Requirements for Continental Air Defense Integration North (CADIN) Switched Access Line requirements will be processed in accordance with figure 7.

(5) Requirements in support of USCENTCOM (area 6) will be processed in accordance with figure 25.

c. Submission of TSR's for DCS Service Within Areas 3, 4, and 5 (DCA-Europe). Certified TSR's for service wholly within areas 3, 4, and 5 will be submitted to the appropriate DCA agency and to USCINCEUR for action in accordance with figure 8.

d. Submission of TSR's for DCS Service Within Areas 7 and 8 (DCA-PAC). Validated TSR's for service in these areas, except for special user requirements, will be submitted for action to DCA-Pacific, with information copy to CINCPAC for approval by exception. In-country requirements must include CINCPAC representative approval under item 503 of the TSR.

e. Submission of TSR's for Non-DCS Leased Requirements. TSR's for non-DCS leased service will be submitted directly to DECCO in accordance with flow chart, figure 10. TSR's for non-DCS equipment only will be submitted directly to DECCO in accordance with flow chart, figure 5. TSR's forwarded to DECCO for action should be addressed to: "DECCO SCOTT AFB, IL" using routing indicator "RHCUDCO." (See glossary of terms, page xi, for discussion of non-DCS requirements.)

f. Submission of TSR's for RP Certification. TSR's for service (leased or Government-owned) will be submitted for RP certification according to the following criteria:

(1) In addition to the number of copies required by appropriate flow charts, a copy will be submitted to Manager, NCS, ATTN: NCS-EP, Washington, DC, if both of the following conditions are met:

(a) The circuit has an assigned RP of 1A through 4A.

(b) The TSR is for the start of new service or for a change in user location, user terminal codes, purpose or use (second and third characters of the CCSD), type of service (fourth character of the CCSD), service availability, or restoration priority in an existing circuit.

(2) All TSR's submitted to NCS for RP certification will include rationale in accordance with paragraph 4j, chapter 1.

(3) Circuits having RP 00 and TSR's which do not fall within the criteria above do not require certification by NCS.

(4) Coordination of restoration priority assignments with the appropriate unified or specified commander is required in accordance with references 4h and 4i when telecommunications requirements involve communications facilities into, within, or through the geographical area of responsibility of such commanders.

(5) Request for temporary RP upgrades are processed in accordance with reference 4d.

g. Submission of TSR's for DCS Service and Leased Terminal Equipment. TSR's which contain requirements for both DCS service and leased terminal equipment will be submitted to a DCA circuit allocation activity as a DCS requirement in accordance with flow charts in figures 4 through 9 and 11 through 18. In these cases, DECCO will identify all circuit and related equipment costs as DCS, and the user terminal equipment costs as non-DCS, except user terminal equipment leased for DCA or the AUTOSEVOCOM system, which will be identified as DCS. Any request for deviation from this procedure will be forwarded to Headquarters, DCA, Code B240, for approval. (See item 438.)

h. Submission of TSR's for Discontinuance of Service. TSR's will be issued to request discontinuance of service in the same format used to start service (see supplement 8 for minimum required items), with all the pertinent information required to identify the service included. The service date will show the last date of the requirement. (Avoid the use of the last day of the week or month if the last required date of use will be earlier.) For leased services, payment will continue until the disconnect date shown on the DECCO disconnect order or through the disconnect processing period required by tariff. Anticipated multiple disconnects should be coordinated with the DCA action agency as far in advance as possible. When circuits, equipment, or facilities have been specially constructed or assembled by commercial interests and then leased to DECCO under minimum revenue guarantees or contingent termination liability agreements, it is recommended that the TCO check with the leasing activity prior to issuing a TSR for the discontinuance or termination of services. (See tables 12 and 13 for leadtimes.)

i. Submission of TSR's for Temporary Service. TSR's for temporary service must include the service dates in items 106A/106B, the discontinuance date in item 114, and the type of action word TEMPORARY in item 103, as well as other items specified for START service in supplement 8.

j. Submission of TSR's for Temporary Circuits in Support of an Exercise. TSR's for temporary exercise service must:

(1) Contain the word TEMPORARY in item 103.

(2) Include the appropriate service dates in items 106A/106B. When service is requested with less than 90 days leadtime, and to allow for flexibility of the contracting officer, an additional date should be established indicating the last possible date service is acceptable to meet the needs of the exercise.

(3) Include disconnect date in item 114 and "TEMP-EXEC" in item 112.

(4) If applicable, enter the DCA Control Number (DCN) in item 415A. Assignment and content of the DCN follows:

(a) DCN assignment: A unique DCN will be assigned to a given exercise under conditions indicated below. The number will be assigned by the activity indicated. The exercise is:

1. Sponsored by JCS or a CONUS-based unified or specified command or MILDEP, and the sponsor or his TCO has specifically requested a DCN be assigned. The DCN will be assigned and distributed by DCA TMSO Scott AFB, IL.

2. Sponsored by a European-based unified or specified command or European-based DoD activity and the sponsor or his TCO specifically requested a DCN be assigned. The DCN will be assigned by DCA-EUR E340.

3. Sponsored by a Pacific-based unified or specified command or other Pacific-based DoD activity and the sponsor or his TCO specifically requested a DCN be assigned. The DCN will be assigned by DCA-PAC P250.

(b) The DCN consists of four alphanumeric characters, constructed as follows:

1. First character: Exercise sponsor; e.g. unified and specified commands, Army, Navy, etc., using the agency codes from DCAC 310-65-1, chapter 14.

2. Second character: The last position of the calendar year the exercise is to be held; e.g., 8 for 1988.

3. Third and fourth character: Exercise serial number 01 through 99 for the year of the exercise assigned by the responsible DCA activity in accordance with paragraph 3j(4)(c) below.

(c) DCN serial number block assignment:

01-49 DCA TMSO, Scott AFB, IL
50-74 DCA-EUR E340, Vaihingen GE
75-99 DCA-PAC P250, Wheeler AFB, HI

(d) DCN example: R801, which indicates that the exercise is sponsored by a unified or specified command. The exercise will be held in 1988 and serial number 01 is assigned. The number was assigned by DCA TMSO, which is apparent from the serial number (last two characters). (See paragraph 3j(4)(c) above for serial number block).

(5) Exercise name (if unclassified) in item 415B. If exercise name or its association with other parts of the TSR is classified, submit the classified item(s) under separate cover.

(6) All other items apply as specified for start service in supplement 8.

k. Submission of TSR's for United Kingdom Defense Telegraph Network (UK DTN) Service. The UK DTN consists of Voice Frequency Carrier Telegraph (VFCT) systems between commercial tiepoints throughout the United Kingdom. Under agreement between the United States and United Kingdom, the United States may lease channels within this network at cost savings if the lease is for a long-term requirement. In accordance with the agreement, the activity for which a channel is leased becomes obligated to pay for the channel, whether used or not, until it is reassigned to another activity. (See chapter 3, item 117, this Circular for UK DTN funding citation instruction.)

l. Submission of TSR's for Public Data Network (PDN) Services. PDN services are broken down into three distinct categories with separate processing procedures.

(1) Network Service. This category includes all requirements for dedicated circuit access to PDN's. Considered DCS service, it usually involves connection of a host computer to a network node of a PDN carrier so that an associated community of dial-up terminals can communicate with the host. The dedicated host and its associated users who can access the PDN by dialing their nearest PDN node constitute a customer network. DECCO contracts for a network with a single CSA, and the PDN carrier renders a single monthly bill for all recurring, nonrecurring, and measured usage for the network. Once a network service is established; i.e. a host dedicated access facility with a community of user terminals (usually dial-up), additional dial-up users may be authorized by the host computer manager without processing TSR's to DCA action agencies. Only when a high usage terminal needs a dedicated access line to a PDN node must the user or host computer manager initiate TSR action to a DCA action agency. See figure 21 for processing requests for network service.

(2) Overseas Access. This category of service involves the connection of overseas dial-up users to CONUS PDN's. Considered non-DCS service, TSR's are forwarded by TCO's directly to DECCO Scott or DECCO Europe. DECCO Scott contracts for service in Hawaii and Alaska

through CONUS PDN carriers, while DECCO Europe contracts through Postal Telephone and Telegraphs (PTT's) or other authorized agents in DCA areas 3, 4 and 5. In Pacific areas other than Hawaii, military activities acquire service through their appropriate MILDEP acquisition authorities. See figure 22 for processing instructions.

(3) Electronic Mail. Domestic and foreign PDN carriers may offer electronic mail separate from basic network service. PDN computer switches are used for electronic mail formatting, storage, and forwarding. To obtain this type of service, TCO's forward TSR's directly to DECCO or DECCO Europe on behalf of electronic mail network sponsors. DECCO Scott contracts for service in CONUS, Hawaii, and Alaska from domestic carriers while DECCO Europe processes requirements to carriers and other offerors in DCA areas 3, 4 and 5. See figure 23 for requirements flow. Designated MILDEP contracting activities lease requirements in Pacific area other than Hawaii. DECCO contracts for electronic mail services offered by PDN carriers but does not contract for similar services offered by teleprocessing companies that market a whole range of data processing services. GSA has established the Teleprocessing Services Program for acquisition of Government teleprocessing requirements.

m. Submission of TSR's for Data Service other than DDN. TSR's for data service other than DDN must include a waiver number assigned by the Defense Communications Systems Data Systems (DCSDS) Subscriber Requirements and Integration Branch (DCA Code B641) or be exempted from DDN. See TSR item 152. These requirements will be processed in accordance with OASD (C³I) direction as follows:

(1) The O&M Command TCO will submit the TSR as a dual-action message to the appropriate DCA Allocation and Engineering activity and to the Subscriber Requirements and Integration Branch of the Defense Communications Systems Data Systems (DCSDS), Code B641.

(2) Each waiver TSR must have items 152 and 352 filled in with appropriate information. Each exempt TSR must have the word "EXEMPTED" in TSR item 152 and TSR item 352 will be omitted. If the term "EXEMPTED" is used in TSR item 152, item 417 of the TSR will be used to identify the category under which the exemption applies.

(3) Service will be ordered only for the period covered by the waiver.

(4) The following data requirements are exempted from the DoD policy on use of the DDN. DDN URDB and waiver numbers are not required in TSR's submitted to support these non-DDN requirements. However, TSR item 152 must state the word "EXEMPTED."

(a) All exercise circuits.

(b) Temporary requirements with a life cycle of less than 12 months.

- (c) Nonappropriated fund requirements (i.e. AAFES).
- (d) 150 baud and below circuits, except AUTODIN Query Response.
- (e) AUTODIN narrative service requests including indirect AUTODIN circuits but excluding Query Response.
- (f) Data requirements for a non-DoD host not connecting to the DDN, including National Aeronautics Space Administration (NASA) and Manned Space Agency.
- (g) Federal Emergency Management Agency (FEMA) (exempted by DCA Code B610 message 231301Z September 1983).
- (h) Intrafacility data communications service provided at a discrete entity such as a named post, camp, base, or station or local service area, or point-to-point non-long-haul circuits. Item 417 of the TSR must contain the facility name and a full explanation of why item 120A or 131A differs from item 120B or 131B (if applicable.)
- (i) All circuit deactivations to include discontinuance of legs on existing multipoint circuits.
- (j) Trunk actions (DCA channelized) that are initiated in-house and do not affect data service being provided.
- (k) Trunk actions (DCA channelized) in response to certified TSR's. However, resultant TSR actions on affected circuits carrying data require the waiver number unless they are in an exempted category.
- (l) Defense Switched Network (DSN) including monitoring equipment access circuits.
- (m) National Command Authorities and White House Communications Agency requirements.
- (n) Data circuits that are used for real-time process control; e.g., radar feeds, spacecraft control, full-period telemetry, remote transmitter control (e.g., AFRTS.)
- (o) Facsimile requirements (analog/digital).
- (p) Tactical Systems: Tactical mobile or semi-fixed systems which move from Garrison to field locations.
- (q) On-call/contingency circuits: Permanent circuits which are activated through an OPLAN, (i.e., wartime support).

(r) Line maintenance/movement: This category is defined as any existing circuit which must be relocated to another building, room, or within a limited geographical location (i.e., within the same post, camp, station, or local service area). This category does not authorize new service in any way, but rather only authorizes changes to existing service within reasonable geographic bounds.

(s) All Jam Resistant Secure Communications (JRSC) and Electronic Counter-Countermeasure (ECCM) circuits.

(5) TSR's for multiplexed communications links containing data communications circuits must have a waiver number in item 152 for the data communications circuits that will traverse the multiplex-communications links.

(6) TSR's for alternate voice/data circuits must have waiver numbers in item 152 if the circuit is intended for data communications service.

(7) TSR's concerning multiplexed links and/or alternate voice/data service should include an explanation of the service requested in item 417; i.e., if used for voice only, the TSR should so state. If not explained in item 417, the requirement will be considered as providing data service, and consequently a waiver number is required in item 152 or the word "EXEMPTED" must be shown in item 152 of the TSR.

n. Submission of TSR's for Precedence Access Threshold (PAT) settings for DSN. (Currently under development).

4. Exceptions to Normal TSR Processing Procedures.

a. DCS Switched Voice (DSN/AUTOVON/AUTOSEVOCOM) Requirements.

(1) TSR's for DSN/AUTOVON service are processed in accordance with flow charts, figures 11, 12, and 13.

(2) DCA TMSO reviews all requests for DCS switched voice access line service and changes to existing service within DCS areas 1, 2, 6, and 9, except for special requirements shown in paragraphs 2b and 3a of this chapter, for compatibility with establishing directives prior to releasing to DECCO for leasing action.

(3) Leadtimes for normal switched voice requirements are shown in tables 12 and 14.

(4) "Emergency NSEP" requirements within CONUS may be handled by oral coordination, with documentation following within 48 hours. The DCAOC duty officer during nonduty hours may order "Emergency NSEP" requirements through the contractor representative stationed at DCAOC or through the DECCO duty officer. (See supplement 11 for information concerning processing of "Emergency NSEP" TSR's.)

(5) Certain types of normal DSN/AUTOVON access line service within CONUS will be processed without reference to the leadtime requirement. This category of requirements will include local moves and additions or extensions and other requirements of a minor nature. The TCO can obtain specific information concerning any particular leadtime requirement from the DCA action agency.

(6) TCO's can designate a specific DCS switched voice switch in the TSR if the requirement involves an additional access line to an existing hunt group, diverse routing, or dual homing for survivability. Otherwise, the DCA action activity will order the circuit facilities to the most cost effective available switch.

(7) All requirements for DCS switched voice service processed in the form of an implementing plan will be submitted to Headquarters, DCA, Code B500, with information copy to DECCO or the DCA action agency concerned. Leasing or allocation action will not be initiated until engineering, scheduling, and specific authorization are granted by Headquarters, DCA Code B500.

(8) As a normal procedure, DCS switched voice service to a given central office or switchboard will be in rotary. The savings realized by use of rotary operation are appreciable with small groups of lines, with the savings decreasing gradually until at approximately 40 lines per group the difference is overshadowed by other considerations. Direct subscriber lines are usually installed at separate locations and are not always candidates for rotary. Where two or more direct subscriber lines are located in the same room or office, they will normally be installed in rotary. Also, the TCO's will specify in the TSR if new requirements are or are not to be placed in rotary with existing lines.

(9) The procedures to be utilized for approval of requirements are contained in reference 4e. JCS and CINC approval and coordination will be completed prior to the submission of the TSR.

(10) Standard guidelines for original DCS switched voice access line network-in-out-dial (NIOD) configurations and conversions are set forth in reference 4m. When ordering such service, all requests for configurations, rearrangements, or conversions of AUTOVON access line service must be in accordance with the guidelines contained in reference 4m.

(11) Certifying activities for DoD subscribers served by a General Services Administration (GSA) Exchange will forward any requirements for DCS switched voice service for these subscribers in accordance with the procedures outlined in figure 11, providing the regional GSA representative and the GSA concur in terminating the DCS switched voice to the GSA Exchange.

(12) In overseas areas, the DCA area will provide DSN/AUTOVON access line service based on the availability of facilities (either Government-owned or leased) and the importance of the requirement in relation to other outstanding requirements for service.

b. AUTODIN Requirements.

(1) Processing of Requirements. TSR's for AUTODIN service from departments, offices, and agencies of the DoD, other than those excluded by paragraph 3a above, are submitted and processed in accordance with flow charts shown in figures 14, 15, and 16. TSR's for AUTODIN service to fulfill DCS interarea routings and special user requirements covered in paragraph 3a are processed in accordance with the flow chart in figure 4.

(2) Evaluation of Requirements.

(a) Each requirement for AUTODIN service will be carefully evaluated to determine the impact on the network and to ensure that the subscriber terminal equipment provided is fully capable of processing the expected traffic volume without degradation of the quality of service. Procurement of equipment by purchase or lease must be accomplished in a competitive manner, whenever possible. Also, since the majority of AUTODIN upgrading actions involve complex computer terminals, the possibility of the failure of such terminals during the first few days after activation should be a matter of concern. TCO's should consider authorizing the retention of existing terminals for a short time after activation of the new terminal to assure its reliability. The time period for retention of the existing terminal is a matter for TCO determination; however, a minimum of 72 hours is recommended.

(b) DCA areas review all requests for AUTODIN access lines terminating within their respective area, except as prescribed in paragraph 4b(4), to determine compatibility with established engineering criteria, compliance with existing directives, probable impact on the network, the specific subscriber terminal equipment to be furnished, method of providing equipment operating speed, and other pertinent factors prior to approval and release for implementing action. The specific subscriber terminal equipment to be furnished is based on the input and output means desired, features, functions, and peripheral equipment required, type of channel coordination desired, equipment availability, and relative costs.

(c) Headquarters, DCA, AUTODIN Operations Division (Code B650) will review and evaluate all requests for AUTODIN service to fulfill DCS interarea and special user requirements (see paragraph 3) and requirements for the use of DCS facilities by non-DoD agencies prior to release to DCA areas. Depending upon the nature of the requirement, the release may specify the specific subscriber terminal equipment to be provided or may provide the information required by the DCA area to make such determination.

(3) AUTODIN Switching Center Assignment. The TCO may recommend a specific AUTODIN Switching Center (ASC) in the TSR for any AUTODIN circuit and will designate the ASC if the requirement involves diverse routing or dual homing for survivability. In such cases, the TSR must contain sufficient details to permit evaluation of the need for assignment to the specific ASC indicated. The assignment of the ASC will be made by the DCA action agency concerned, based on considerations such as the TCO-recommended

ASC, DCA AUTODIN restoral plan, community of interest, geographical location, capability of selected ASC to provide the specific service, and other pertinent factors. When diverse routing or dual homing requirements necessitate termination of an access line in a specific ASC, it may become necessary to rehome other access lines to different ASC's to make a termination available. Cost involved in making such rehomes must be borne by the agency requiring the specific ASC assignment. The DCA action agency will inform the TCO of the cost involved in making the specific ASC assignment.

(4) Automated Message Processing Equipment Requirements.

Requirements for AUTODIN service, involving the procurement of an Automated Message Processing Equipment (AMPE) system (equipment to perform in-station communications processing and distribution functions), either existing or proposed, Government-owned, or long-term leased, require DoD approval, unless a specific program has been exempted by prior approval.

(5) ADPE Requirements.

(a) The acquisition of ADPE is subject to compliance with the policies and procedures contained in reference 4a, chapters 1 and 5. Prior to the submission of a TSR containing a requirement for the lease of ADPE by DECCO, the TCO must ascertain that all necessary and appropriate actions with respect to ADPE procurement, to include lease-versus-buy determination and, when necessary, senior ADP policy official approval, have been taken. When a Delegation of Acquisition Authority (DAA) is required from GSA prior to ADPE acquisition, the date of the DAA will be contained in the TSR and a copy of the DAA furnished to DECCO within 10 days. TSR's requesting the lease of ADPE should specify the features and functions required, including peripheral equipment, in sufficient detail to permit competitive procurement. When equipment is requested by manufacturer's name, sole source justification must be included.

(b) Plans to utilize existing or future ADPE, either Government-owned or leased through source other than DECCO, as AUTODIN terminals or interface devices, will be coordinated with Headquarters, DCA, Code B650 prior to the initiation of action to acquire or utilize the equipment, and prior to the release of a TSR requesting connection to AUTODIN. This coordination will enable DCA to ascertain that the equipment meets established criteria and to assure compatibility with the network.

(6) Leadtimes.

(a) Normal requirements for AUTODIN access line service are processed for implementation based on the leadtimes shown in tables 12 and 14.

(b) Certain types of AUTODIN service requirements can be processed without reference to the leadtimes. This category includes rehomes, discontinuances, and minor equipment relocations and modifications. The TCO can obtain information concerning a particular type of requirement from the DCA action agency.

(7) Role of DECCO. DECCO provides central inventory control of leased DCS AUTODIN equipment, to include that available for lease; i.e., that authorized but not yet operational and that deactivated and pending release from DCS use. In this capacity, DECCO monitors the status of leased equipment items from the time of acquisition or allocation for the DCS until final disposition; i.e., time item is released from DCS resource status by sale, destruction, or return to control of non-DCS activity. An equipment item pending installation as an operational element of the DCS becomes a DCS asset upon acquisition or allocation to DCS, until DCA determines that there is no further DCS use for the item and directs its disposition. DECCO also provides TCO's with the status of these nonoperational leased equipments.

(8) Actions Required for Service.

(a) The submission of a TSR, containing the details of the request for AUTODIN service, is the first of several actions required in providing this service. Coordination in accordance with reference 4i will be completed prior to submission of the TSR.

(b) The DCA action agency, after effecting the necessary internal coordination, prepares a Telecommunications Service Order (TSO) to implement the service. The TSO includes the direction, engineering details, and operational information and is addressed to all concerned.

(c) AUTODIN Tributary Readiness Report, RCS: DCA (AR) 350-27, provides progress reports, and AUTODIN Completion Notices provide final completion information.

1. Tributary Preparation and Readiness Reports are submitted in accordance with the policies and procedures of the user's parent command. The TCO is responsible for ensuring that the tributary station is provided a copy of the reporting procedures.

2. The tributary station is responsible for submitting completion reports as prescribed by its parent command, or reporting completion to the DCS Circuit Control Office as prescribed in reference 4s, for subsequent preparation of an in-effect report. These reports provide information for use in entering circuit information in the DCS data base, and for maintenance of billing records for leased circuits and equipment.

(d) AUTODIN Action Notices are prepared by the AUTODIN Switching Center in accordance with DCAC 310-D70-30, DCS AUTODIN Switching Center and Tributary Operations. These notices provide the operational data for AUTODIN which are required in connection with the management of the industrial fund and the operational direction of the DCS. They are required for both leased and Government-furnished circuits, and may be submitted in lieu of a completion report.

(9) Traffic Restoral. In the event of AUTODIN switch, circuit, or terminal failure, procedures for restoring traffic to AUTODIN subscribers are contained in reference 4l.

(10) Terminal Deactivation. If an AUTODIN terminal is to be discontinued, the responsible TCO must advise other users who depend on the terminal for altroute traffic of the pending deactivation.

c. Weather Requirements. Special weather networks within the CONUS and Alaska are used for general weather data collection and dissemination. The circuits extend to each military installation.

(1) TSR's for USAF-controlled weather service within CONUS will be processed in accordance with flow chart, figure 17.

(2) TSR's from DoD and non-DoD agencies for National Weather Service (NWS) within Alaska will be forwarded for authorization and processing in accordance with figure 19 to:

National Weather Service (NOAA)
701 C Street
P.O. Box 23
Anchorage, AK 99513

(3) Where the requirement of a unified or specified command, military service, or DoD agency extends to, and uses the resources of, circuitry dedicated to an established FAA weather network, the TCO (or user if authorized by the TCO) will issue a letter of justification, requesting concurrence, to Federal Aviation Administration, ATTN: AAF 430, 800 Independence Avenue, SW., Washington, DC 20590. Upon receipt, the TCO will cite the FAA concurrence in item 503 of the TSR and forward the TSR to the appropriate DCA Allocation/Engineering activity.

(4) Requirements for CONUS weather service by non-DoD agencies that use DECCO as a leasing agency will be processed in accordance with figure 19. When the requested service is to be supplied from a network or system controlled by another agency, the controlling agency's authorization must be cited in item 503 of the TSR.

(5) All other weather service requirements will be processed in accordance with figure 4, 6, or 7 as appropriate.

d. Canadian Government-Originated Military (non-CADIN) and Nonmilitary Requirements.

(1) Because of the communications community of interest between the United States and Canada, special procedures are established for handling Canadian Government-originated requirements within and between DCS areas 1 and 2.

(2) To take advantage of reduced rates available through bulk ordering and to enable the Canadian government to use U.S. Government-owned facilities within DCS areas 1 and 2, when available, TSR's for these requirements are processed in accordance with flow chart, figure 18. CADIN switched access line requirements are processed in accordance with flow chart, figure 7.

e. U.S./Australian Military Requirements.

(1) The Australian Department of Defense, Defense Canberra, coordinates all U.S. military requirements to and within Australia. All requirements must be sent to Defense Canberra at the earliest possible date to obtain government approval.

(a) Defense Canberra may be able to obtain special rates by routing U.S. requirements on Australian military leased systems or under Australian military tariff, and will also aid in processing requests for permission to connect. Six months' leadtime should be allowed unless approval has already been obtained.

(b) Defense Canberra performs a DECCO-type function for Australian carriers. DECCO transfer funds to Defense Canberra for the Australian portion of U.S. international circuits.

(c) U.S. international carriers accept end-to-end technical sufficiency but, as on U.S. military systems, are not financially responsible for degraded service in Australia.

(d) In-country circuits follow CCITT standards. Data leases are digital, not modem-analog.

(2) U.S. and Australian military requirements will be processed as follows:

(a) Defense Canberra requirements are processed to DCA-PAC and CINCPAC with fund commitment. DCA-PAC coordinates CINCPAC approval and transmits action to DCA, DCA TMSO or takes TSO action as appropriate. Routing by DCS facilities will be on an as-available basis unless otherwise directed by CINCPAC.

(b) Joint requirements will be coordinated between the TCO and Defense Canberra before the TCO submits the TSR.

f. Remote Terminal to AMPE Circuit. This paragraph applies, in accordance with paragraph 2 of reference 41, only when a remote terminal will be located more than 25 miles from the base, post, camp, station, or DoD activity on which the serving automated message processing equipment (AMPE) is located. The TSR requesting a circuit to connect a remote terminal to an AMPE, such as an LDMX, ATP, AMME, must include items 103, 107, 401, and 509. Items 120, 121, and 126 must also be provided for each AMPE and remote terminal location. In item 401, enter "remote terminal to AMPE circuit" and, if applicable, "rehome from ASC." Send an information copy of the TSR to Headquarters, DCA, Code B550, at least 45 days prior to the requested service date.

g. AUTOSEVOCOM Circuits. The DoD AUTOSEVOCOM system is unique in that it is considered totally DCS, down to and including the terminal instrument. For this reason, "record purpose only" TSR's are required for on-base subscriber access lines acquired by local lease action or provided by Government owned cable plants. These TSR's will be issued to assign CCSD's and satisfy DCS data base requirements with respect to terminal activations, deactivations, and relocations. TSR's will be submitted in accordance with chapter 3 of this Circular.

h. ARPANET Circuits. U.S. Government activities desiring ARPANET service must request permission by letter to DARPA, Information Sciences Technology Office, 1400 Wilson Blvd, Arlington, VA 22209-2308, ATTN: ARPANET Coordinator. Once permission is given, the U.S. Government agency requesting the service will submit a TSR according to specific directions provided by the ARPANET Coordination Office. Non-U.S. Government activities must be sponsored by a U.S. Government agency. The Government sponsor will submit a letter of request to DARPA on their behalf. Changes to, or cancellations of, existing requirements will be sent by AUTODIN message directly to (action) DDN PMO TSR-CRP TRAFFIC Washington DC with an information copy to SECDEF Washington DC//DARPA-ISTO//.

i. Defense Satellite Communications System (DSCS) Requirements.

(1) Requests for DSCS service will be processed in accordance with reference 4n. Approved requirements will be submitted in accordance with chapter 3 of this Circular to the appropriate DCA action agency through the department or agency TCO in TSR format.

(2) Approved requirements are those processed in accordance with reference 4n and entered into the military satellite office (MSO) user requirements data base (URDB). As requirements are entered in this data base they are assigned a MSO URDB control number. This control number will be entered in circuit TSR item 151. TSR processing, and possibly service date, will be delayed if MSO URDB control number (validated in accordance with MOP 178 procedures) is not provided.

(3) If the requirement is urgent and time does not permit normal processing to obtain the MSO URDB number, enter "none" in item 151 and cite the approving correspondence in item 503.

(4) TSR's for DSCS service will include DCA Code B440 as an information addressee.

j. Defense Data Network (DDN).

(1) Processing of Requirements. Departments, offices, and agencies of the DoD requiring DDN service will submit all Requests for Service (RFS's) or feeder TSR's through their normal O&M or agency chain-of-command to their headquarters TCO. The TCO will review and validate the requirements against the DDN user requirements data base and forward a TSR to the appropriate DCA area A & E activity for processing in accordance with figure 20.

TSR's will be submitted in accordance with format and procedures set forth in chapter 3 (format for TSR) of this Circular with the following exceptions:

(a) TSR item series 120B will not be filled in by the Service or Agency TCO. The Service or Agency TCO will only state in item number 120B "To Be Completed by the DCA Area A & E Activity".

(b) Item numbers 106A and 106B will be completed by the Service or Agency TCO submitting the TSR to the appropriate DCA Area A&E Activity. The Service or Agency TCO will subtract 14 days from the requested operational service date (106A) and insert this date into TSR item number 106B. This is the date that the vendor or Government (for GFE) must meet in order for the 14 day test and acceptance (T&A) to be completed on time by the DDN PMO contractor.

(2) DCA Area A&E Activity Evaluation of Requirements After Receipt of Validated TSR from Service or Agency TCO.

(a) The DCA Area A&E Activity will review all requests for DDN service (Host and Terminal access), to determine the compatibility of the following TSR items against the DDN user requirements data base: Service Date (item 106A); URDB number (item 352); modulation rate (item 111); GEOLOCO (item 120A); system name (item 353); and network name (item 368).

(b) The DCA Area A&E Activity will review the DDN connect order data base for the purpose of determining the appropriate port selection based upon the DDN network design.

(c) Based on the results of the DDN network design (connect order data base), the DCA Area A & E Activity will complete the TSO items associated with the PSN selection.

(3) Specific DDN Assignments. The DCA Area A&E Activity will determine the DDN port selection to support DDN service to the user by means of reviewing the connect order data base. The connect order data base is derived from the network design based on the user requirements data base. When a requirement for diverse routing for survivability is a factor in determining PSN selection, the user requirements data base entries must contain sufficient details to permit the evaluation during the network design.

(4) Leadtimes. Normal requirements for DDN service are processed for implementation based on the leadtimes shown in table 13.

(5) Actions Required for Service.

(a) The submission to the DCA Area A & E Activity of a TSR from the Service or Agency TCO, containing the details of the request for DDN service, is the first of several actions required in providing this service.

(b) The Service or Agency TSR will be addressed for action to the appropriate DCA Area A&E Activity in accordance with chapter 4, paragraphs 3a through 3d, with the DDN PMO (DDN PMO TSR-CRP TRAFFIC Washington DC and DCA Codes B641/B643 (DCA Washington DC//B641/B643//) as information addressees. (NOTE: TSR's for interarea and CONUS DDN IST's will be sent to DCA Code B240 for processing).

(c) After the necessary review, evaluation, and coordination have been completed (e.g., validation of TSR against the URDB; assignment of PSN and port numbers; completion of PSN location items), the DCA Area A&E Activity will issue a TSO to the appropriate activities required to implement the requested service.

(d) The DDN Management Office will configure the appropriate PSN hardware, software, and connections internal to the PSN in order to provide a hot plug type connection. This will be accomplished prior to the CLAM/Circuit Demand or TSO service date. This procedure will allow the user access (activation of the port) to the network within seven days following installation of the circuit by the vendor or government personnel.

(e) The Service or Agency TCO is responsible for identifying the CCO/CMO (TSR item 409) that has the responsibility for submitting completion reports. These reports provide information for use in entering circuit information in the DCS data base and maintaining billing records for leased circuits and equipment.

(f) The Service or Agency designated point-of-contact identified in TSR item 417 is responsible for notifying the DDN Action Officer as to the completion of circuit and/or equipment installation. In the CONUS, notification will be to the DDN Subscriber Requirements and Integration Branch. OCONUS notification will be to the DCA Area DDN Office. This procedure will allow the DDN Management Office to activate the hot plug type connection to the network within seven days.

k. Multiplex Management. TSR procedures are used within certain DCA areas in support of near-term and midterm multiplex planning actions. The TSR confirms Department, Agencies, and Offices (DOA) support of such plans and is an established vehicle for obtaining necessary concurrences, validations, and information.

l. Jam Resistant Secure Communication (JRSC) and Electronic Counter-Countermeasure (ECCM) Requirements. Since all JRSC/ECCM service utilizes the DSCS, requests for service will be processed in accordance with paragraph 4.i. above, with the exception that TSR's will include both DCA Codes B440 and B410 as information addressees. Contact DCA Code B410 for special TSR guidance.

TABLE 12. LEADTIMES FOR SERVICE¹

TYPE OF SERVICE	CONUS/ ALASKA	CONUS-TO- OVERSEAS	PACIFIC ²	EUROPE ³
<u>CALENDAR DAYS</u>				
<u>STARTS/REAWARDS</u>				
Point-to-point narrowband (includes service below 19.2Kb derived over analog channels)	89	145	80	58+
Point-to-point wideband (19.2Kb and above)	114	297	110	58+
DSN/AUTOVON/AUTOSEVOCOM Access lines	78	145	80	58+
Off-the-shelf equipment only				
Over \$25K.	180	N/A	N/A	180
Under \$25K.	73	N/A	119	180
Other than off-the-shelf/bulk equipment only (e.g., specially designed)				
Inquiry/Quote/Order (IQO)	144	N/A	141	180
Invitation for Bid (IFB)/ Request for Proposal (RFP)	450	450	N/A	N/A
AUTODIN access lines	78	145	80	58+
Systems or networks (Includes T-1 networks) ⁴				
Overseas	N/A	N/A	171	58+
IQO	146	146	N/A	N/A
RFP	365	365	N/A	N/A
PCM-30 (2MBPS and above)	N/A	N/A	N/A	58+
<u>DISCONNECTS</u>				
DSN/AUTOVON/ AUTOSEVOCOM/AUTODIN	59	50	16	58+
Equipment only	40	50	1/50 ⁵	14+
Point-to-point narrowband or wideband	45	50	16	43+
<u>CHANGES</u>				
ALL	94	151	119	58+

TABLE 12. LEADTIMES FOR SERVICE (CON.)

NOTES:

¹Leadtimes denote the normal average interval between the receipt of an accurate and complete TSR (to include any required amendments) by a DCA action agency and the completion of the action by communications contractor or by DCS facilities.

²Applicable to service within the Pacific Area. Any service having connections within Japan require a minimum of six months leadtime to obtain the internal Japan segment.

³Actual leadtimes vary from country to country, based upon mutual agreements, the type of service requested, and whether or not the service is in-country or international. TCO should refer to Table 14 and applicable European supplements to this Circular, and add the required leadtime for the specific European country/area to the leadtimes shown in this table.

⁴Network and Systems vary by complexity, geographic location, and type of procurement (RFP or IQO). The minimum leadtime for complex, multi-theater requirements is 600 days.

⁵One day leadtime is for Hawaii only. For the remainder of the Pacific area, fifty days is required.

TABLE 13. LEADTIMES FOR DDN SERVICE¹

DEFENSE DATA NETWORK SERVICE	CONUS	CONUS-TO OVERSEAS	PACIFIC ²	EUROPE ³
<u>CALENDAR DAYS</u>				
<u>STARTS/REAWARDS</u>				
Point-to-point narrowband (service derived over analog channels)	84 ⁴	145	80	58+
Point-to-point wideband	113 ⁴	313	140	58+
Off-the-shelf equipment only	73 ⁵	73	119	180
<u>DISCONNECTS</u>				
Point-to-point narrowband or wideband)	45	50	31	58+

TABLE 13. LEADTIMES FOR DDN SERVICE¹ (CON.)

DEFENSE DATA NETWORK SERVICE	CONUS	CONUS-TO OVERSEAS	PACIFIC ²	EUROPE ³
<u>CALENDAR DAYS</u>				
<u>DISCONNECTS</u>				
Off-the-shelf equipment	40	45	1	14+
<u>ALL CHANGES</u>	83	145	119	58+

NOTES:

¹Leadtimes denote the normal average interval between the receipt of a complete and accurate DDN TSR by the DCA Area A&E Activity and the successful Test and Acceptance by the DDN office. Leadtimes go into effect after DCA has modeled the requirement and made the port assignment. Prioritization and URDB inaccuracies could significantly extend the leadtime.

²See note 2 on page 4-20.

³See note 3 on page 4-20.

⁴Leadtime reflects requirements utilizing standard off-the-shelf equipment. However, DDN modems require convertors (RS-232C to MIL-STD-188-114 Balanced), which are not off-the-shelf equipment. Therefore, 30-60 additional calendar days are required.

⁵Can vary, depending on commercial company furnishing equipment.

TABLE 14. LEADTIMES FOR EUROPEAN SERVICE

A. Leadtime Requirements (in calendar days or workdays *) for Voice/Data (9600 and below) circuits - PTT leadtimes without prior Routing Investigation (RI):

Country	<u>Internal Circuits</u>		<u>International Circuits</u>		
	<u>START</u>	<u>CEASE</u>	<u>START</u>	<u>CEASE</u>	<u>MOD</u>
Belgium	30	7	60	7	14
Denmark	60	14	60	7	60
France	20 *	14	30 *	7	14
Germany	60 *	6 *	60 *	7	21 *
Greece	No Fixed Leadtime		No Fixed Leadtimes		
Italy	30	30	30	30	30
	60 Days/M1020		60 Days/M1020		

TABLE 14. LEADTIMES FOR EUROPEAN SERVICE (CON.)

<u>Country</u>	<u>Internal Circuits</u>		<u>International Circuits</u>		
	<u>START</u>	<u>CEASE</u>	<u>START</u>	<u>CEASE</u>	<u>MOD</u>
Luxembourg	21	14	21	7	14
Netherlands	60	14	70	14	70 Int'l 30 Nat'l
(NL M1020)	80		90		
Norway	60	7	60	7	60
Portugal	60	7	60	7	14
Spain	7	14	7	7	14
	No Fixed Leadtimes/M1020				
Turkey	3 Months	14	6-8 Months	14	14
	9-11 Months/M1020				
UK	65 *	7 *	90	7 *	14 *

B. Leadtime requirements for services other than the above:

Wideband-PCM-30/2 MBPS and above:

Germany: 18 Months Other Countries: Determined on case-by-case basis.

Digital 64KBPS:

Germany: 9 Months Other Countries: Determined on case-by-case basis.

Public Data Network:

Germany: 30 Workdays Other Countries: Determined on case-by-case basis.

C. Additional Leadtimes/Notes:

Leadtimes above are in accordance with ALLA Compendium, dated 1 Sep 88, national PTT regulations, and precedence set in earlier dealings with PTT.

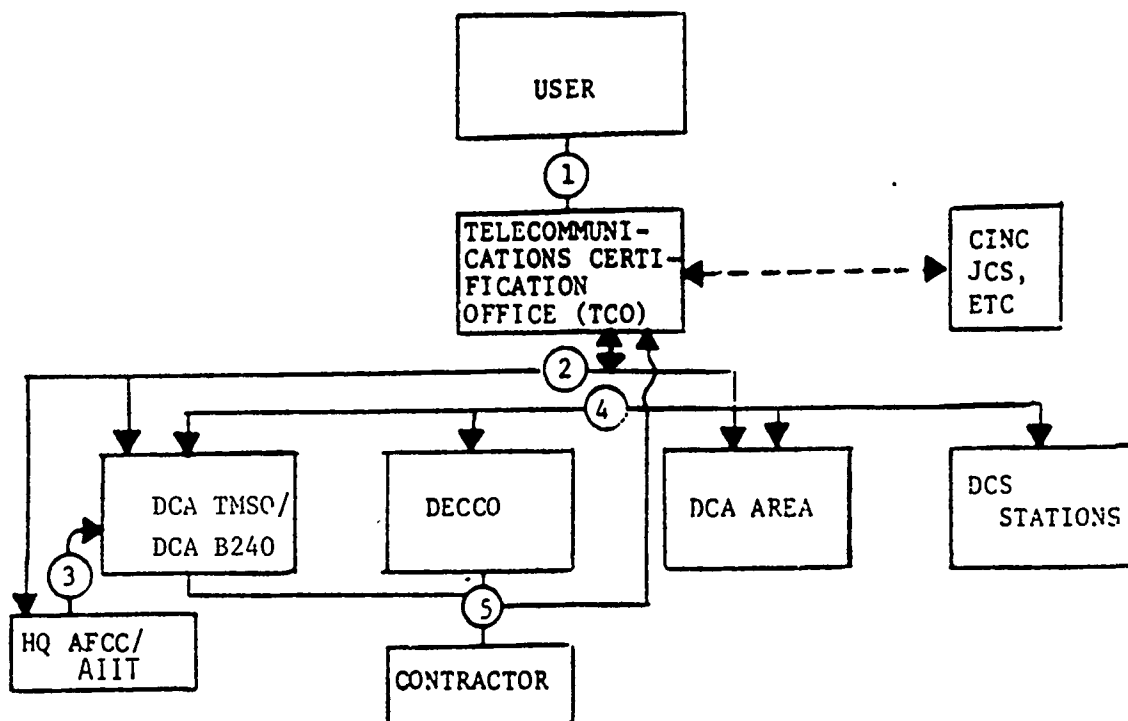
The PTT in Italy and Spain are on vacation during the entire month of August; during this time only EMERGENCY requirements will be handled.

NALLA Germany requires 7 calendar days (5 working days), and other NALLA's need 14 calendar days (10 working days) for processing of DECCO-Europe circuit demands to PTT's.

NALLA/PTT's normally require formal RI be initiated for high speed data/digital services, as well as for those occasions when a large number of circuits are requested to the same location, or circuits are requested to a new location. Leadtime in these instances will be on a case-by-case basis.

Standard German leadtime allows for 39 calendar days (28 working days) for RI and 21 calendar days (15 working days) for provision. No circuit demand should be initiated without providing for the standard RI.

The competitive leasing concept now in effect in the United Kingdom requires a leadtime of 15 days to process the TSO, issue RFP, evaluate the offer, and issue a circuit demand. This leadtime is subject to vendor requests for extensions.



1. Requirement processed through user's chain of command.
2. The certified requirement is sent to DCA TMSO for action (with an information copy to DCA Code B600 or B500 if the TSR pertains to the DCS Switched Networks), to the DDN PMO, and to the DCA area(s) which will be involved; a copy of the TSR is sent to AFCC also for action only if the TSR pertains to the DCS Weather Service, and a copy of the TSR is sent to NCS for RP certification (see paragraph 3f, chapter 4). CINC, JCS, or other approval will be obtained by the TCO, where required. (Approval authority will be cited in item 503 of the TSR.)
3. If the requirement is for DCS weather service, DCA coordinates the related technical, financial, and system programming with HQ AFCC/AIIT.
4. Assuming that the requirement submitted is an inter-DCA area requirement and can be fulfilled from existing DCS resources, DCA TMSO will issue a TSO containing the TSR number, CCSD, and RP certification to organizations having implementation responsibility, with an information copy to the TCO. If leased services or facilities are required and leasing action has been

FIGURE 4. FLOW OF INTERAREA AND SPECIAL USER REQUIREMENTS

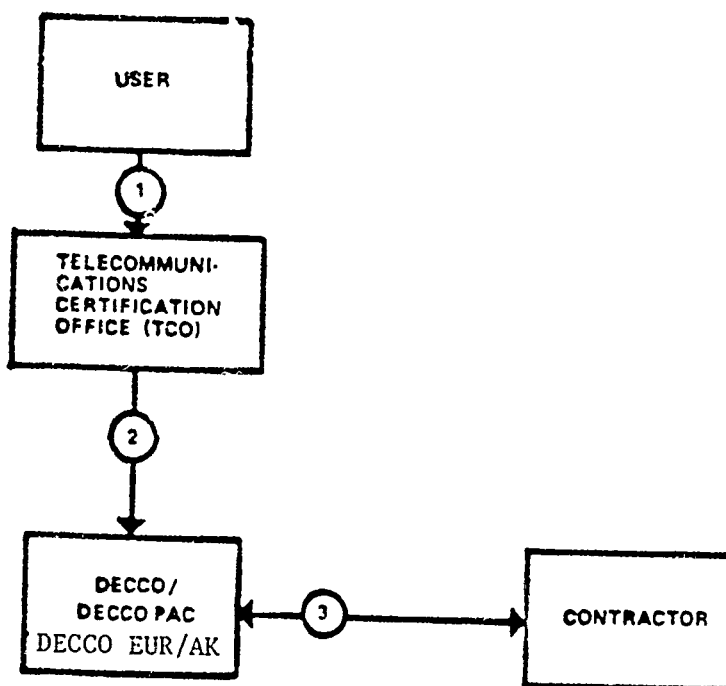
authorized by the TCO, the TSO will contain directions to the leasing activity. DECCO will effect the necessary leasing arrangement if the leased services to be provided are the responsibility of DCA TMSO (DCS area 1, 2, 6, or 9), are from Hawaii, or are for facilities of the worldwide ocean cable or satellite complex. If leasing action is required in overseas areas for facilities or services not leased by DECCO, DECCO-PAC, or DECCO-EUR, and leasing action has been authorized by the TCO, the TSO will specify that the appropriate DCA area obtain the required services from other supporting leasing agency(ies), providing interservice funding arrangements have been made. (In countries where there is no DCS executive service; e.g., the Air Force in Japan, the user must make in-country, not international, tail-segment lease arrangements.) NOTE. Headquarters, DCA Code B240 is responsible for "special user requirements" noted in paragraph 3a, chapter 4. These requirements may be contained wholly within any one of the DCS areas or may be inter-DCA area in nature. Headquarters, DCA, Code B240 will issue a TSO to implement the requested service.

5. DECCO performs leasing action. The CSA issued by DECCO or DECCO activities will contain the TSR number, the CCSD, the RP certification status, and the CCN as provided in the carrier's quotation. A copy of the order will be sent to the TCO, the CCO/CMO, and to Headquarters, DCA if switched networks or DDN are involved.

6. If additional Government-owned facilities are required to fulfill the requirement, DCA will prepare a subsystem/project plan to provide the required facilities.

7. The activity designated in the TSO will submit a completion report in accordance with paragraph 10, chapter 2, this Circular.

FIGURE 4. FLOW OF INTERAREA AND
SPECIAL USER REQUIREMENTS (CON.)

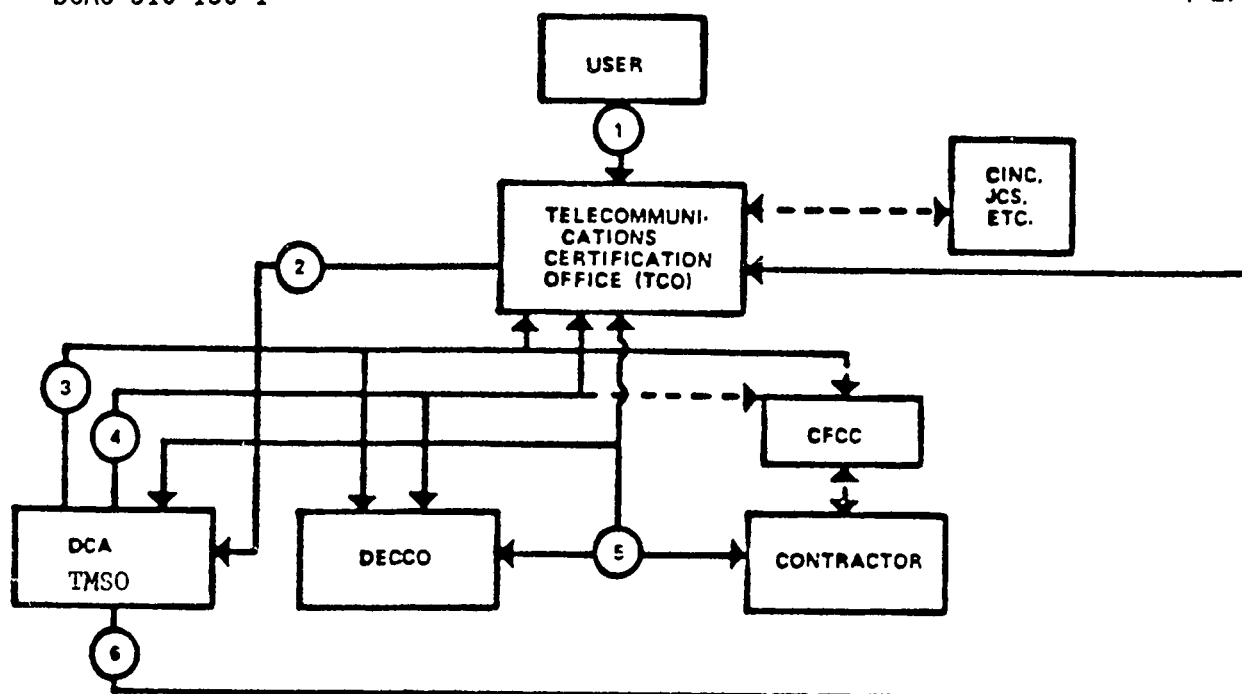


1. Requirement processed through user's chain of command.
2. Certified requirements for equipment are addressed to the appropriate DECCO/DECCO field office for action as follows:
 - a. To DECCO Pacific (INFO DECCO Scott D741) if requirement, excluding ADPE, is not available under GSA schedule contracts, within DCS areas 7 and 8.
 - b. To DECCO Europe (INFO DECCO Scott D741) if requirement will be obtained from a foreign carrier or firm with payment required in local currency within DCS areas 2 (Iceland/Greenland), 3, 4, 5, and 6.
 - c. To DECCO Alaska (INFO DECCO Scott D741) if requirement, excluding ADPE, is not available under GSA schedule contracts, within DCS area 9.
 - d. To DECCO Scott D741 (INFO DECCO Field Office if applicable) for all other requirements, including sole source requirements such as channel packing, etc.

FIGURE 5. FLOW OF LEASED EQUIPMENT ONLY
REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS

3. DECCO/DECCO field office will perform normal leasing action based on the validated TSR received from the TCO.
4. The activity so designated in the TSR will submit a completion report in accordance with paragraph 9, chapter 2, this Circular.
5. If the request is for AUTODIN subscriber terminal equipment, an information copy of the request will be sent to the affected AUTODIN switch(es), HQ, DCA, Code B653, Washington, DC and to the DCA action agency in which the AUTODIN switch(es) and the subscriber terminal are located.

FIGURE 5. FLOW OF LEASED EQUIPMENT ONLY
REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS (CON.)

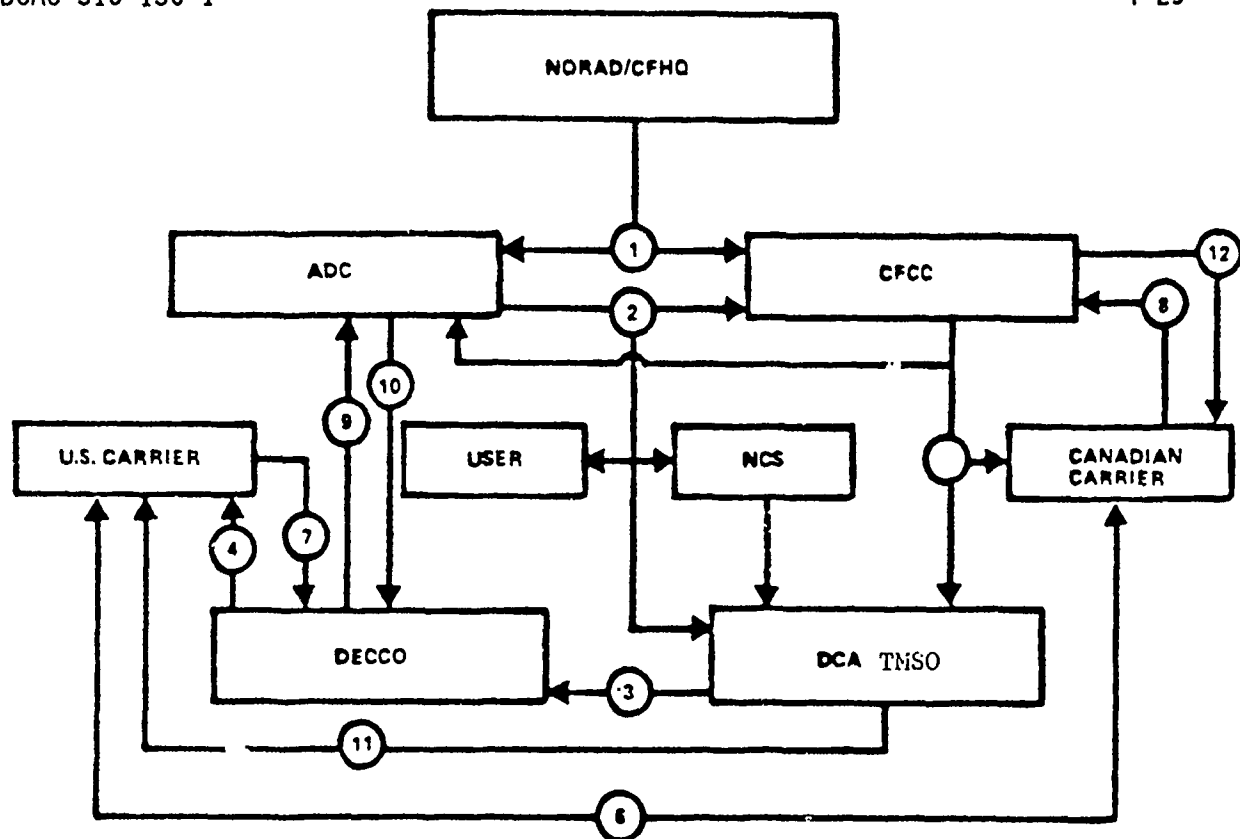


1. Requirement processed through chain of command for certification.
2. Certified requirement is forwarded to DCA TMSO for action and to NCS for RP certification if service is from DCS area 1 or 2 to DCS area 9; an information copy of the TSR will be forwarded to DCA-Alaska. The TCO will obtain CINC, JCS, or other approval, when required (item 503 of the TSR).
3. Requirements which can be fulfilled from existing resources will be implemented by DCA TMSO TSO action; an information copy of the TSO is addressed to the TCO. Requirements for Canadian Switched Networks (CSN) general-purpose access lines will be coordinated with CFCC prior to TSO action. CFCC will perform leasing actions in Canada.
4. Requirements for leasing action within the DCS area 1, 2, or 9 will be authorized by DCA TMSO TSO to DECCO, with an information copy addressed to the TCO (and to CFCC for area 2 requirements).

FIGURE 6. FLOW OF POINT-TO-POINT AND DSN/AUTOVON REQUIREMENTS FOR DCS AREAS 1, 2, AND 9 OTHER THAN CONUS DSN/AUTOVON ACCESS LINES, CADIN, LEASED EQUIPMENT, AND SPECIAL USER REQUIREMENTS

5. DECCO will perform normal leasing action and issue CSA to the contractor with an information copy addressed to DCA TMSO, the TCO, and the CCO/CMO.
6. If additional Government-owned facilities are required to fulfill the requirement, a recommended subsystem plan to implement the requirement will be forwarded to the Director, DCA, ATTN: Code B100, with an information copy to the TCO.
7. The TSO issued by DCA TMSO will contain the CCSD, the TSR number, and the RP certification. DECCO will issue a circuit order containing the same information plus the CCN assigned in the carrier's quotation. Information copies of the order to the carrier will be sent to DCA TMSO, the TCO, and the CCO/CMO specified in the TSO.
8. The activity designated in the TSO will submit a completion report in accordance with paragraph 10, chapter 2, this Circular.

FIGURE 6. FLOW OF POINT-TO-POINT AND DSN/AUTOVON
REQUIREMENTS FOR DCS AREAS 1, 2, AND 9 OTHER THAN
CONUS DSN/AUTOVON ACCESS LINES, CADIN, LEASED EQUIPMENT,
AND SPECIAL USER REQUIREMENTS (CON.)



1. Requirements for CADIN cross-border access lines are jointly established by NORAD/NDHQ and forwarded to ADC and Canadian Forces Communications Command (CFCC) for implementation.

2. ADC sends TSR to DCA TMSO and NCS, with information copies to the using activity (NORAD Region) and to CFCC for corresponding implementation actions with Canada.

3. DCA TMSO issues a TSO (containing CCSD and certified RP) to DECCO for CONUS portion of circuit.

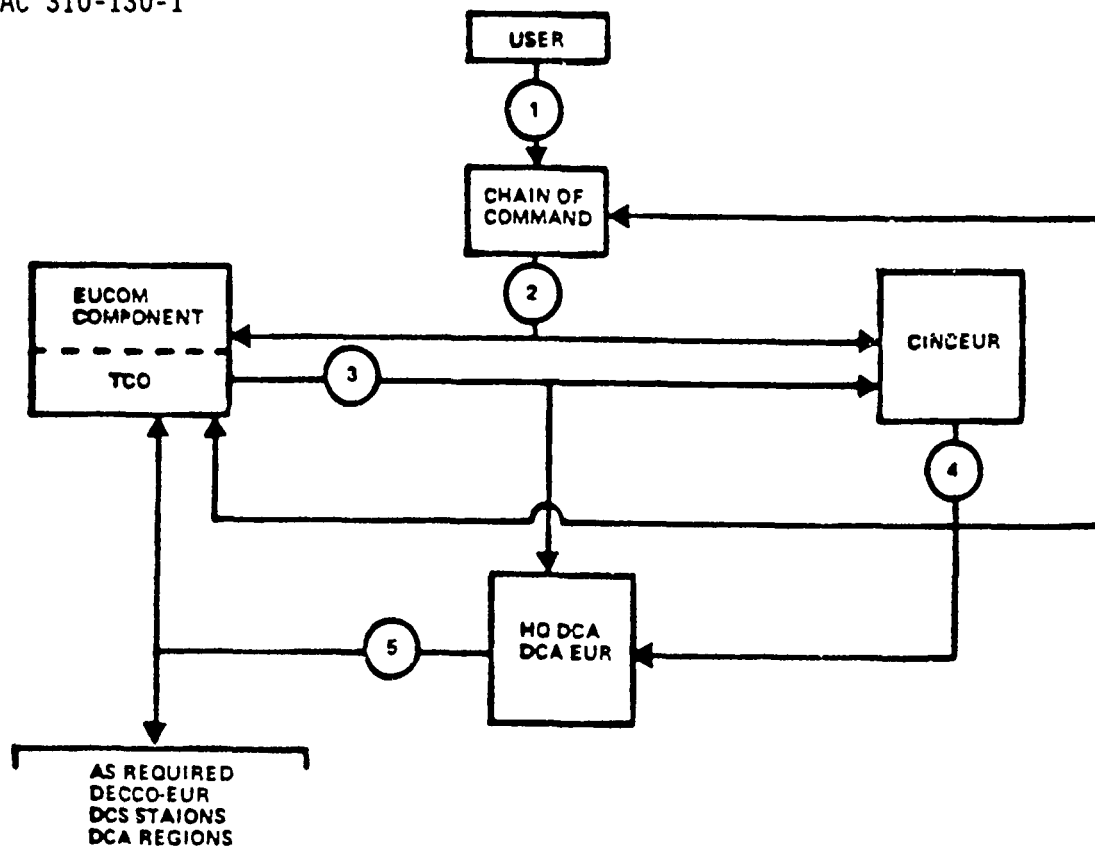
4. DECCO submits inquiry to commercial carrier for CONUS portion of service.

5. CFCC submits Service Order Inquiry (Form CF/K9) to Canadian carrier for Canadian portion of circuit. Information copies are furnished to ADC and DCA TMSO.

FIGURE 7. FLOW OF CADIN SWITCHED ACCESS LINE REQUIREMENTS

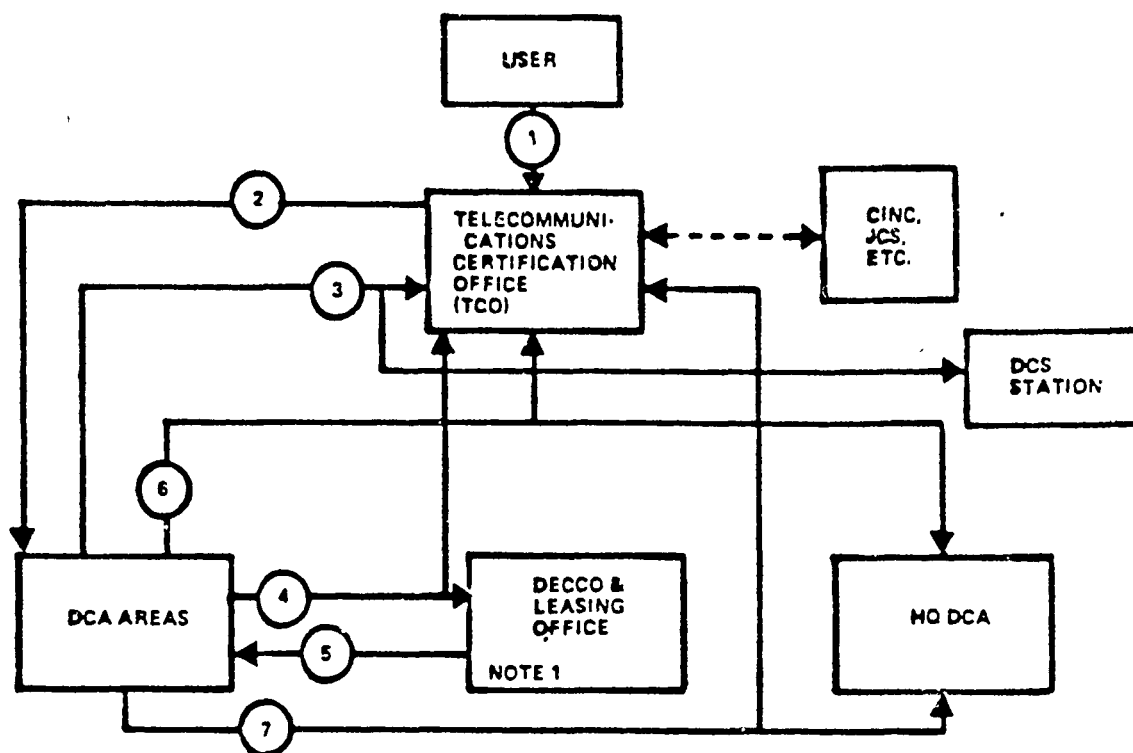
6. Canadian and U.S. commercial carriers coordinate engineering of requirement to confirm service date and determine border crossing to be used.
7. U.S. commercial carrier quotes to DECCO for DECCO portion of circuit.
8. Canadian carrier quotes to CFCC for Canadian portion of circuit.
9. DECCO provides ADC with copy of quote for final validation prior to ordering.
10. ADC validates cost to DECCO or cancels requirement and advises CFCC.
11. DECCO orders CONUS portion of circuit. Information copies forwarded to DCA TMSO.
12. CFCC orders Canadian portion of circuit.
13. User submits completion report in accordance with paragraph 10, chapter 2, this Circular.

FIGURE 7. FLOW OF CADIN SWITCHED
ACCESS LINE REQUIREMENTS (CON.)



1. Requirement processed through user's chain of command.
2. Advance coordination required with respective service component command as appropriate with information copy to USCINCEUR.
3. TCO designated by MILDEP shown in chapter 1, table 1, this Circular, forwards TSR to USCINCEUR for concurrence in use of Government-owned communications resources and for approval of NCS RP assignment. The TSR is also forwarded to NCS for RP certification if the requested RP is other than 00.
4. USCINCEUR issues concurrence or nonconcurrence for use of Government-owned resources and approval or nonapproval of NCS RP assignments.
5. Consult DCA Europe's supplement 1 to this Circular for unique Europe input.
6. DCA or DCA-EUR implements TSR with TSO to appropriate agencies.

FIGURE 8. FLOW OF REQUIREMENTS WHOLLY WITHIN OR BETWEEN DCS AREAS 3, 4, AND 5 (DCA-EUROPE)



1. Requirement processed through user's chain of command.
2. Certified requirement is addressed to the DCA area, and a copy sent to NCS for RP certification. (See paragraph 3, chapter 4.) The TCO will obtain CINC, JCS, or other approval, where required.
3. The DCA area fulfills all requirements which can be satisfied from existing resources by issuance of a TSO to all elements having an implementation responsibility; an information copy of the TSO is addressed to the TCO.
4. If leasing action, including transoceanic leases, is necessary and authorized by the TCO, the DCA area will issue a TSO to the leasing office to proceed in accordance with leasing procedures applicable within the DCA area involved; an information copy of this authorization is provided to the TCO.

FIGURE 9. FLOW OF REQUIREMENTS WITHIN THE DCA-PACIFIC AREA,
EXCLUDING SPECIAL USER REQUIREMENTS AND SWITCHED
NETWORKS ACCESS LINE REQUIREMENTS

5. DECCO or the DCA area leasing office will perform leasing functions and furnish the DCA area, TCO, and technical controls a completed leasing action message (CLAM).

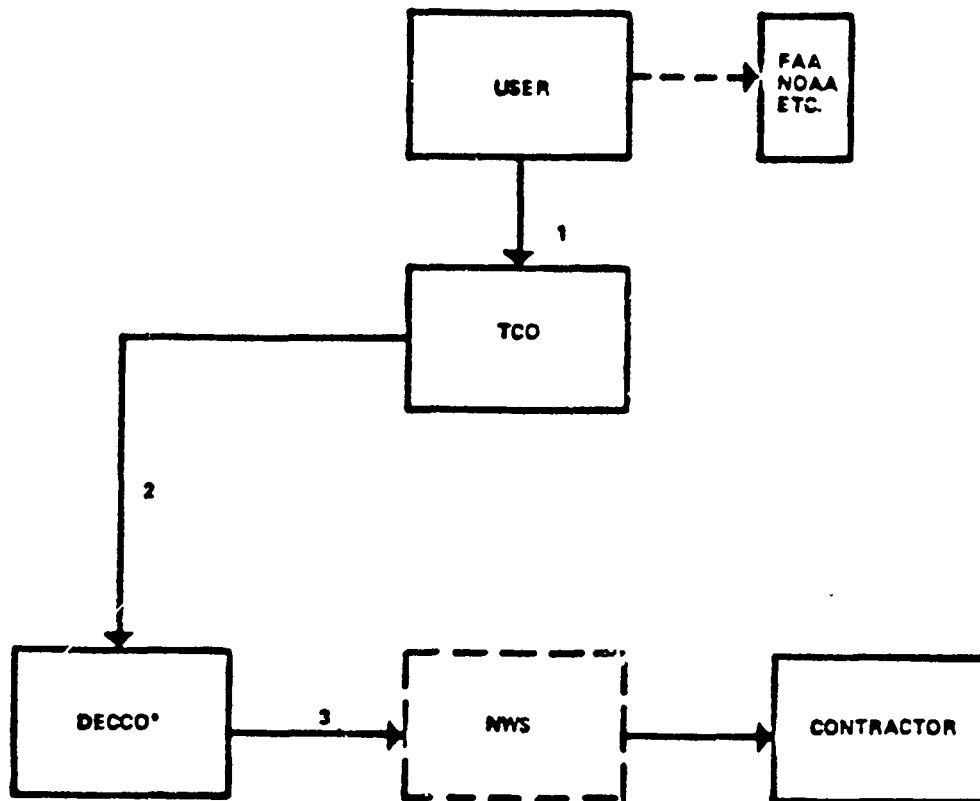
6. If the additional Government-owned facilities are necessary to fulfill the requirement, a recommended subsystem/project plan will be forwarded to Director, DCA, ATTN: Code B100, with an information copy to the TCO. (See also paragraph 3, chapter 2.)

7. The TSO issued by the area will contain the CCSD, the TSR number, and the RP certification. DECCO will issue a circuit order containing the same information plus the CCN assigned in the carrier's quotation. Information copies of the order to the carrier will be sent to the DCA area, the TCO, the CCO/CMO, and others as required.

8. The activity designated in the TSO will submit a completion report in accordance with paragraph 10, chapter 2, this Circular.

NOTE. DECCO--Inter-country cable and satellite leases,
equipment leases.
DECCO-PAC--Hawaii leases.
Country Executive O&M--In-country circuit leases.
TCO User--Other in-country leases.
Australia, New Zealand Leases--Similar to CADIN,
figure 7, for all requirements.
See chapter 4, paragraph 4e, this
Circular.

FIGURE 9. FLOW OF REQUIREMENTS WITHIN THE DCA-PACIFIC
AREA, EXCLUDING SPECIAL USER REQUIREMENTS AND SWITCHED
NETWORKS ACCESS LINE REQUIREMENTS (CON.)

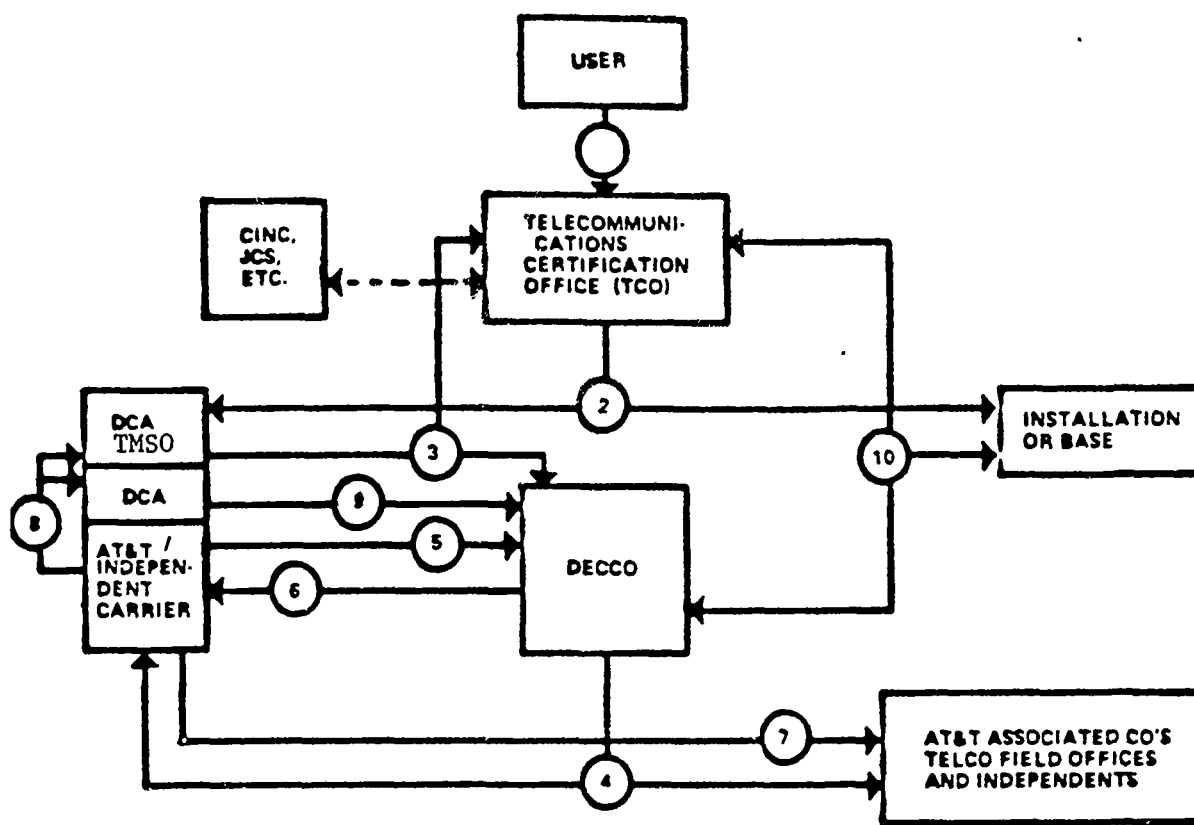


1. Requirement is submitted to the TCO for certification. If the requirement is for FAA or NOAA (GOES) weather service, authorization (FAA or NOAA) must be obtained prior to submission of the TSR to the TCO. (The authorization should be cited in item 503 of the TSR.)

2. Certified requirement is forwarded to DECCO for action. TSR's for non-DCS leased service wholly within the States of Hawaii or Alaska will be addressed to DECCO-PAC or DECCO-AK as appropriate. A copy is also forwarded to Manager, NCS if the circuit is assigned an NCS RP other than 00.

3. If the TSR is for service other than NOAA (GOES) weather, DECCO will perform normal leasing action with the contractor. If the TSR is for CONUS NOAA (GOES) weather, DECCO will forward the TSR for action to NWS. NWS will perform leasing action with the contractor. (See figure 19 for flow of NOAA (GOES) weather requirements within Alaska.)

FIGURE 10. FLOW OF NON-DCS LEASED REQUIREMENTS



1. Requirement processed through user's chain of command.
2. Certified requirement is submitted to DCA TMSO for action with information copy to the installation (post, camp, base, station) concerned and to NCS for RP certification. (See paragraph 3f, chapter 4.) CINC, JCS, or other approval will be obtained by the TCO, where required.
3. DCA TMSO reviews the requirement and issues Telecommunications Service Order for DECCO to take necessary leasing action and provides a copy to TCO.
4. DECCO issues inquiry to the commercial carrier(s) for service. (This step is not required for disconnect.)
5. Commercial carrier receives inquiry, accomplishes internal processing, including any required coordination, and sends quotation to DECCO.

FIGURE 11. FLOW OF CONUS ONLY DSN/AUTOVON ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS

6. DECCO orders the required services. The order will contain the TSR number, the CCSD, the RP certification, and the CCN. Information copies of the order to the carrier will be sent to DCA IMSO, the TCO, and the CCO/CMO designated in the TSO.

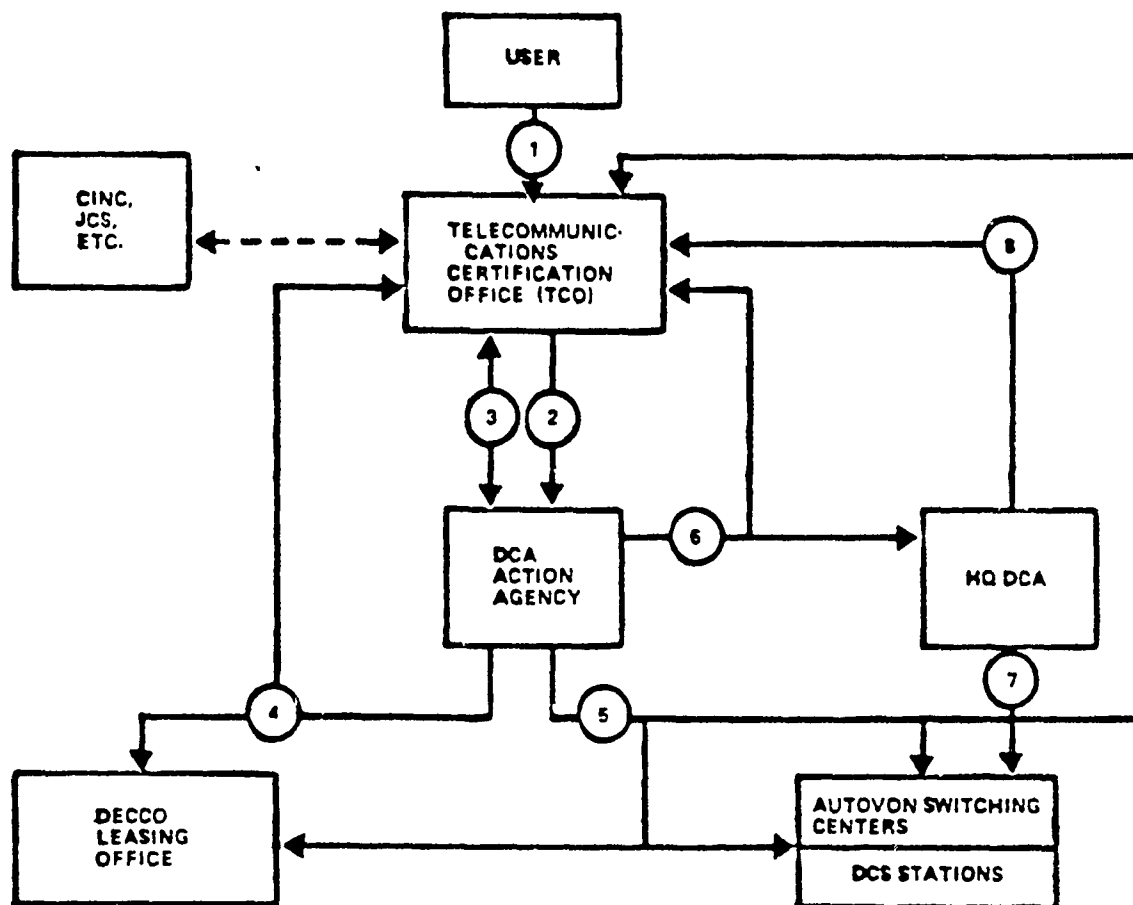
7. Commercial carrier issues order to field office. AT&T reviews all access line requirements to determine growth statistics and probable trunk circuit requirements.

8. AT&T forwards growth requirements and recommended trunk requirements to DCA, Code B500, for review, with an information copy to DCA TMSO.

9. DCA, Code B500, reviews and approves or disapproves trunk recommendations and forwards trunk worksheets to DECCO. DECCO orders the trunks that are approved.

10. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 11. FLOW OF CONUS ONLY DSN/AUTOVON ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS (CON.)

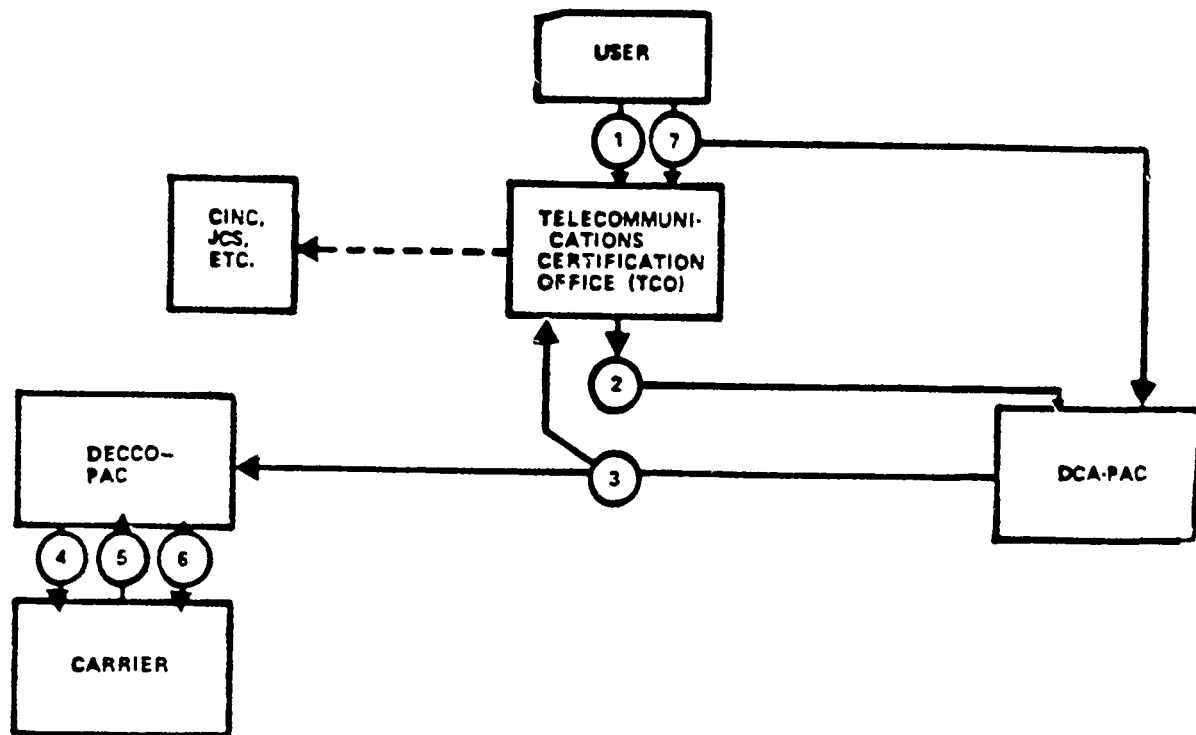


1. Requirement processed through user's chain of command.
2. Certified requirement is submitted to the DCA action agency concerned for provision of service from existing DCS resources or leasing action, with information copies to Headquarters, DCA (Code B500 or Code B660) and to NCS for RP certification. (See chapter 4, paragraph 3f.) CINC, JCS, or other approval will be obtained by the TCO, where required.
3. If leased facilities are required and funding authority is not contained in the TSR, coordination is effected with the certifying authority, who must approve the leasing action and provide necessary funds before issuing a TSO to the DCA area leasing office.

FIGURE 12. FLOW OF REQUIREMENTS FOR DCS AREAS 1 AND 2, EXCLUDING CONUS DSN/AUTOVON AND OVERSEAS FOR DCS SWITCHED VOICE ACCESS LINES, EXCLUDING SPECIAL USER REQUIREMENTS AND HAWAII ON-ISLAND REQUIREMENTS

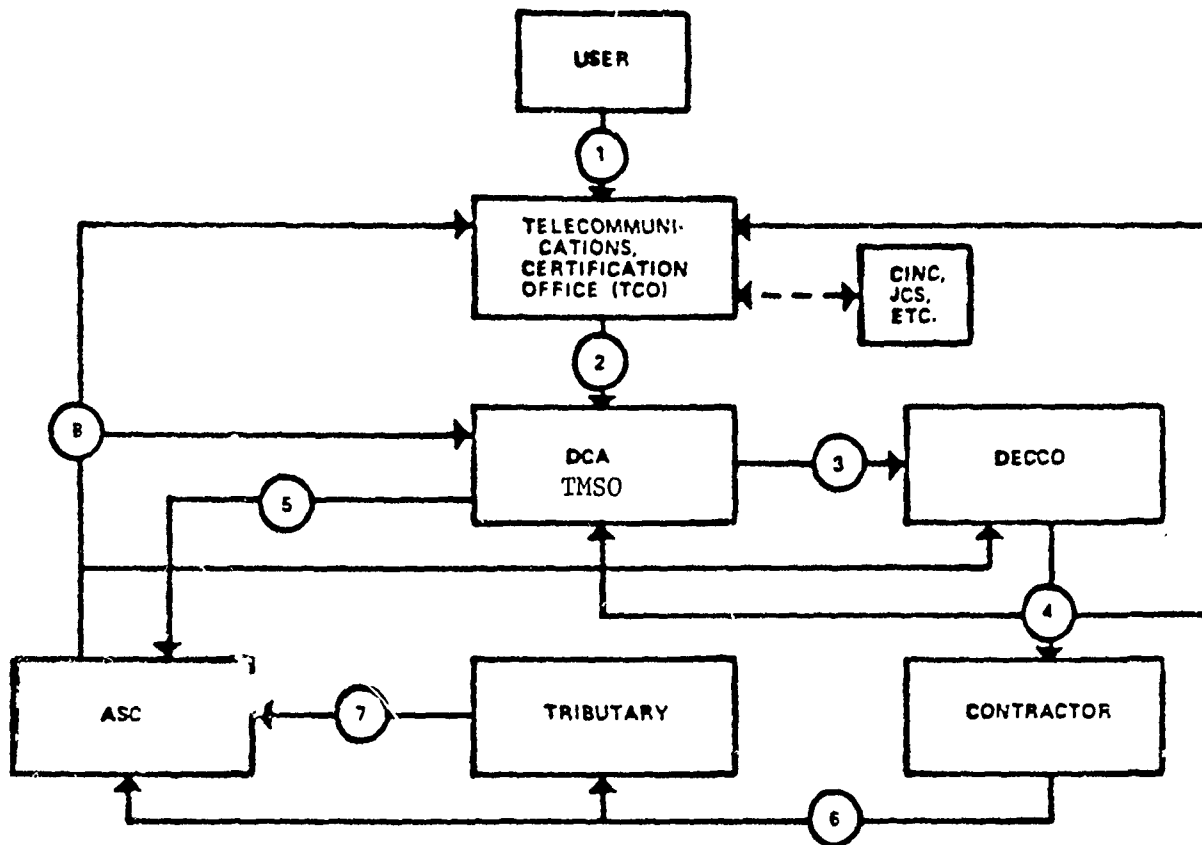
4. A TSO is issued to the DCA-area leasing office on validated requirements for leased services. The DCA-area leasing office takes action to obtain the required services.
5. A TSO is issued to activities as indicated. The leasing authority will be omitted as an addressee when leasing action is not involved, except that DECCO will be an addressee for CSIF accounting. The TSO will contain the TSR number, the CCSD, and the RP certification. A copy of the leasing order will be provided to the DCA action agency, the TCO, and the CCO.
6. The DCA action agency prepares and submits mnemonic encoding to Director, DCA, ATTN: Code B500.
7. DCA prepares switch memory encoding and sends it to the DSN/AUTOVON switching center.
8. If additional Government-owned facilities are required, the DCA action agency submits a recommended subsystem/project plan to Director, DCA, ATTN: Code B100, with an information copy to the TCO.
9. DCA advises the certifying authority when service can be available.
10. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 12. FLOW OF REQUIREMENTS FOR DCS AREAS 1 AND 2,
EXCLUDING CONUS DSN/AUTOVON AND OVERSEAS FOR DCS SWITCHED
VOICE ACCESS LINES, EXCLUDING SPECIAL USER REQUIREMENTS
AND HAWAII ON-ISLAND REQUIREMENTS (CON.)



1. Requirement processed through user's chain of command.
2. Certified requirement is sent to DCA-PAC for action with information copies to Headquarters, DCA (Code B500 and Code B660) and to NCS for RP certification. (See chapter 4, paragraph 3f.) CINC, JCS, or other approval will be obtained by the TCO, where required.
3. DCA-PAC issues a TSO to DECCO-PAC with an information copy to the TCO. The TSO will contain the TSR number, the CCSD, and the RP certification.
4. Service inquiry is sent to carrier.
5. Carrier quotation of charge is submitted to DECCO-PAC.
6. DECCO-PAC will issue a circuit order to carrier. The order will contain the TSR number, the CCSD, the RP certification, and the CCN obtained from the carrier's quotation. Information copies of the order to the carrier will be sent to DCA-PAC, the TCO, and the CCO/CMO designated in the TSO.
7. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 13. FLOW OF HAWAII ON-ISLAND DCS SWITCHED VOICE
ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER
REQUIREMENTS

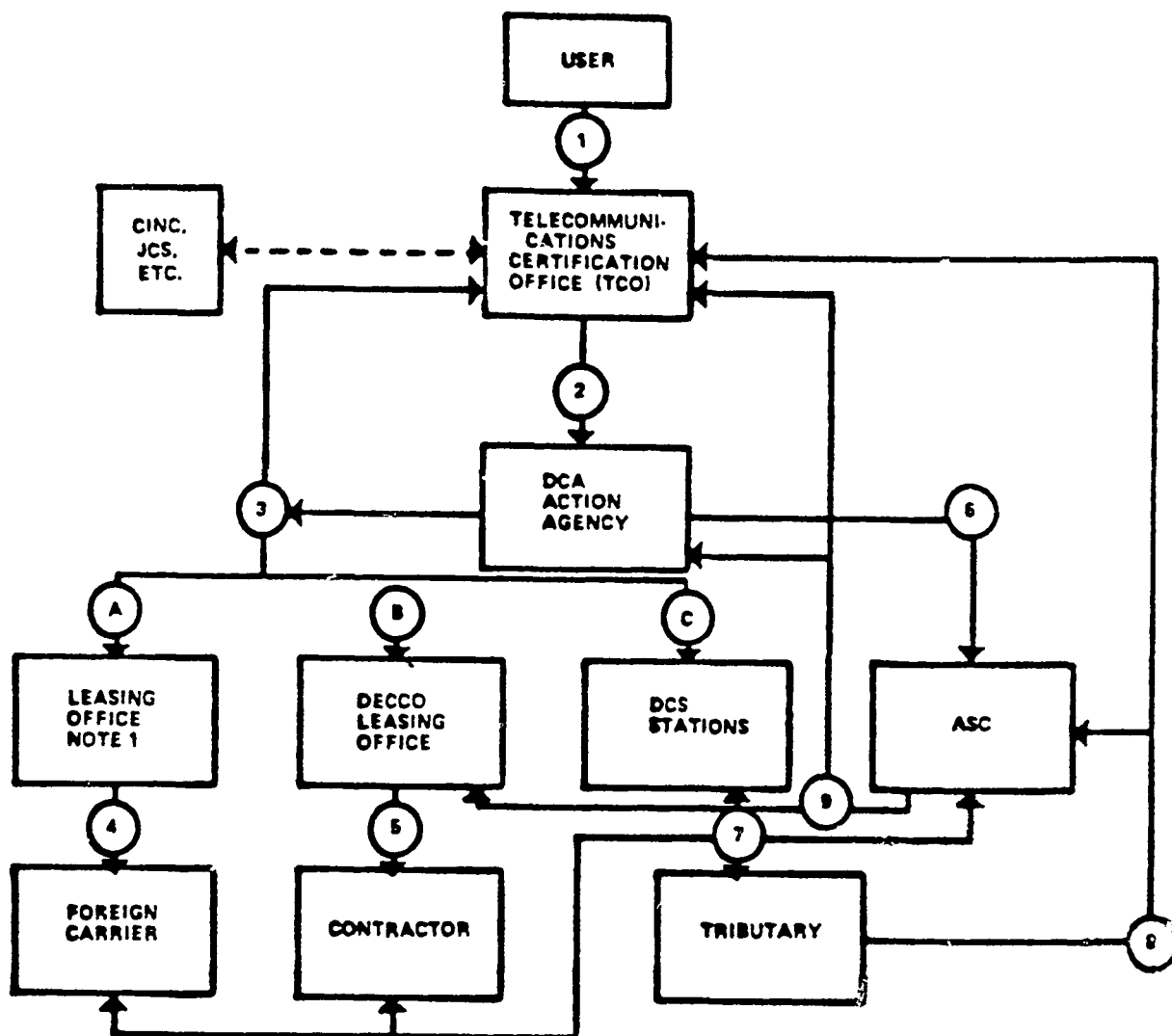


1. Requirement processed through user's chain of command.
2. Certified requirement is submitted to DCA TMSO for action. Copies are sent to NCS for RP certification. (See chapter 4, paragraph 3f, this Circular.) CINC, JCS, or other approval will be obtained by the TCC, where required.
3. DCA TMSO reviews traffic capability versus requirements, both from and into AUTODIN, and coordinates with the TCO if problems exist which preclude provision of the requested service. If the requirement is acceptable, DCA TMSO determines the proper ASC assignment, assigns routing indicators, and issues TSO to DECCO.
4. DECCO takes leasing action. An information copy of the order and subsequent completion report from the company is sent to the Certifying Office and DCA TMSO. The order will contain the TSR number, the CCSD, the RP certification, and the CCN as assigned in the contractor's quotation.

FIGURE 14. FLOW OF AREAS 1 AND 2 AUTODIN ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS

5. DCA TMSO makes assignments.
6. After the contractor installs and tests the service, the activities involved coordinate and assist with operational testing.
7. Notice of installation completion and acceptance is submitted from the tributary station to the ASC and the TCO.
8. The ASC submits the AUTODIN Action Notice (AAN) in accordance with DCAC 310-D70-30.
9. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular. AAN's submitted in accordance with paragraph 8 above constitute a completion report when the AUTODIN Technical Control was designated as CCO in the TSO. No separate report under this Circular is required.

FIGURE 14. FLOW OF AREAS 1 AND 2 AUTODIN ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER REQUIREMENTS (CON.)



1. Requirement processed through user's chain of command.
2. Certified requirement is submitted to the DCA overseas area concerned for action. A copy is sent to NCS for RP certification, if required. (See chapter 4, paragraph 3f, this Circular.) TSR's for access lines for DCS area 9 will be sent to DCA TMSO with a copy to DCA-Alaska. CINC, JCS, or other approval will be obtained by the TCO, where required.
3. The DCA action agency reviews traffic capability versus requirements both from and into AUTODIN and coordinates as

FIGURE 15. FLOW OF REQUIREMENTS FOR OVERSEAS AUTODIN ACCESS LINES, EXCLUDING SPECIAL USER REQUIREMENTS AND HAWAII ON-ISLAND REQUIREMENTS

required with the TCO if problems exist which preclude provision of the requested service. If the requirement is acceptable, the DCA action agency determines the proper ASC assignment, assigns the routing indicator, and issues the TSO to provide the required access circuitry (either by lease (3A) or from existing DCS resources (3C)) and terminal equipment (either by lease (3B) or from existing DCS resources (3C)). The TSO will contain the TSR number, the CCSD, and the RP certification. (3A, 3B, and 3C refer to like numbers in figure 15 flow chart.)

4. Leasing action for access circuitry is taken, if required. The order will contain the TSR number, the CCSD, the RP certification, and the CCN. A copy of the leasing order will be provided to the DCA action agency, the TCO, and the CCO/CMO.

5. Leasing action is taken for procurement of terminal equipment, if required.

6. Circuit details, including channel and termination assignments, are established and Local Table Revision (index parameter changes) issued.

7. The activities involved coordinate and assist in installation and testing.

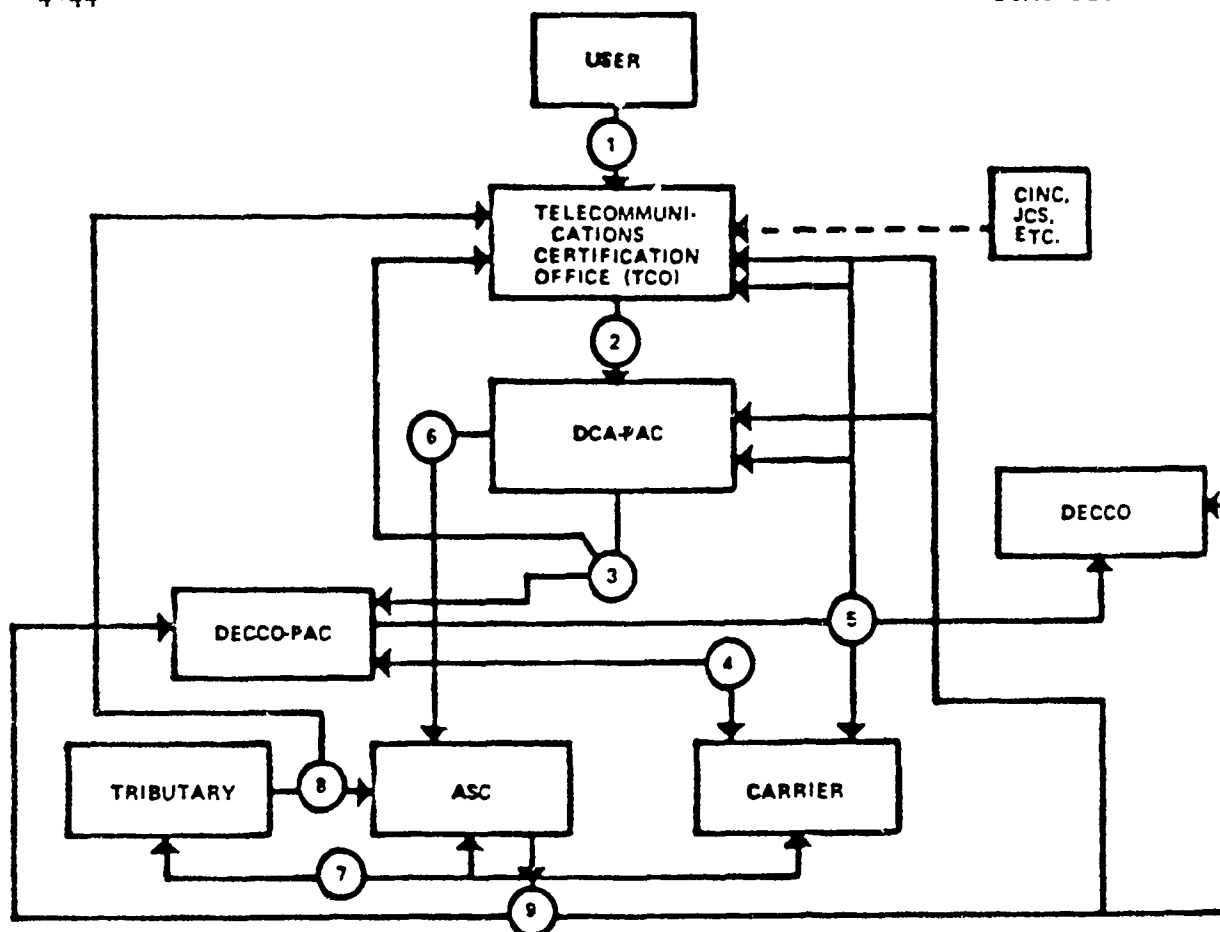
8. Notice of installation completion and acceptance is submitted from the tributary station to the ASC and the TCO.

9. The ASC submits the AUTODIN Action Notice in accordance with DCAC 310-D70-30.

10. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 9, this Circular. AUTODIN Action Notices submitted in accordance with paragraph 9 above constitute an in-effect report and no separate report under this circular is required.

NOTE. DECCO--Equipment and intercountry cable and satellite leases.
DECCO-PAC--Hawaii circuit and equipment leases,
Pacific equipment leases
Country Executive O&M--In-country circuit leases.
TCO User--Other in-country circuit leases.
Australia/New Zealand Leases--Similar to CADIN,
figure 7, for all requirements. See chapter 4,
paragraph 4e, this Circular.

FIGURE 15. FLOW OF REQUIREMENTS FOR OVERSEAS AUTODIN
ACCESS LINES, EXCLUDING SPECIAL USER REQUIREMENTS AND
HAWAII ON-ISLAND REQUIREMENTS (CON.)

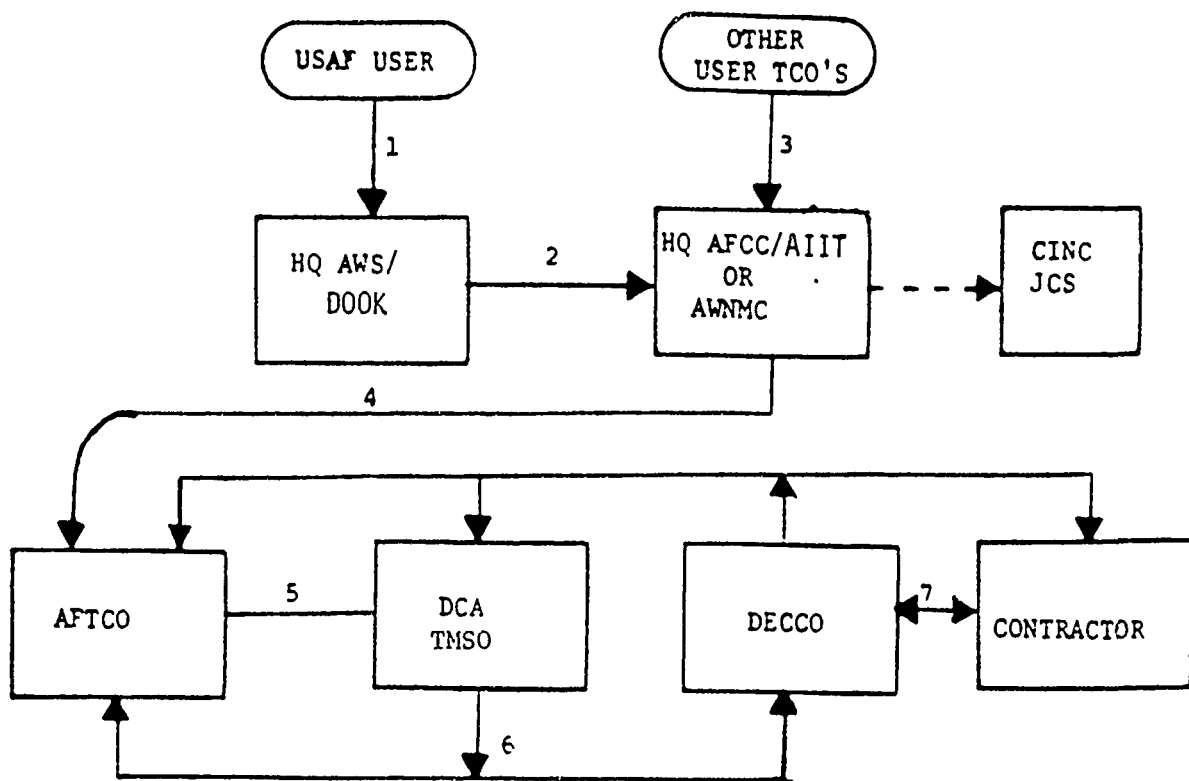


1. Requirement processed through user's chain of command.
2. Certified requirement is submitted to DCA-PAC for action. Copies are sent to NCS for RP certification. (See chapter 4, paragraph 3f, this Circular.) CINC, JCS, or other approval will be obtained by the TCO, where required.
3. DCA-PAC reviews traffic capability versus requirements both from and into AUTODIN and coordinates with the TCO if problems exist which would preclude provision of the requested service. If the requirement is acceptable, DCA-PAC will assign routing indicator, assign the CCSD, designate the CCO, and submit a TSO to DECCO-PAC for action and the TCO for information.
4. DECCO-PAC takes leasing action, if necessary.

FIGURE 16. FLOW OF HAWAII ON-ISLAND AUTODIN
ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER
REQUIREMENTS

5. Leasing action pertaining to the circuit is taken. An information copy of the order is sent to the TCO, the CCO/CMO, and DCA-PAC. The order will contain the TSR number, the CCSD, the RP certification, and the CCN.
6. Action is taken to make channel and terminating assignments.
7. After the facility is installed and tested by the contractor, the activities involved coordinate and assist with operational testing.
8. Notice of installation completion and acceptance is submitted from the tributary station to the ASC and the TCO.
9. The ASC submits the AUTODIN Action Notice in accordance with DCAC 310-D70-30.
10. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular. AUTODIN Action Notices submitted in accordance with paragraph 9 above constitute an in-effect report and no separate report under this circular is required.

FIGURE 16. FLOW OF HAWAII ON-ISLAND AUTODIN
ACCESS LINE REQUIREMENTS, EXCLUDING SPECIAL USER
REQUIREMENTS (CON.)



1. U.S. Air Force activities forward weather requirements through channels to HQ AWS/DOOK for validation.

2. HQ AWS/DOOK validates the requirement and forwards it to HQ AFCC/AIIT. Requirements for the CONUS Meteorological Data System (COMEDS) are forwarded to AWNMC.

3. Activities other than USAF desiring USAF weather service forward requirements through their command channels to their TCO. The TCO certifies the requirements and forwards to HQ AFCC/AIIT or for COMEDS requirements, to AWNMC Carswell AFB TX.

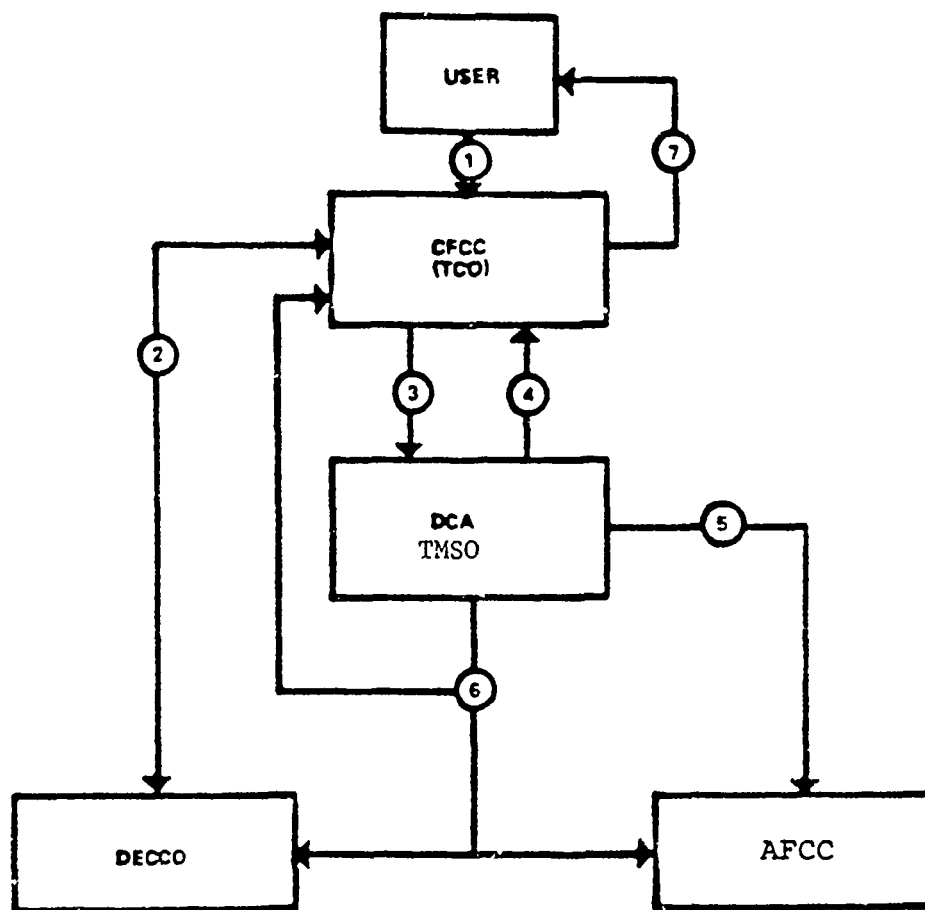
4. HQ AFCC/AIIT or AWNMC reviews the weather service requirements for technical adequacy, port assignment when required, obtains CINC or JCS approval if required, and forwards the requirements (RFS) to the Air Force TCO.

5. The AFTCO certifies fund availability and forwards the TSR to DCA TMSO for TSO action and to NCS for RP certification if required.

FIGURE 17. FLOW OF WEATHER REQUIREMENTS WITHIN CONUS FOR USAF-CONTROLLED WEATHER SERVICE

6. DCA TMSO assigns CCSD, issues TSO, and forwards the TSO to DECCO and other activities having an interest in the service.
7. DECCO performs normal leasing action with contractor. (Leased terminal equipment supporting weather service will be obtained in accordance with figure 5.)
8. DECCO issues CSA to contractor with copy to AED and other activities having an interest in the service.
9. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 17. FLOW OF WEATHER REQUIREMENTS WITHIN CONUS
FOR USAF-CONTROLLED WEATHER SERVICE (CON.)

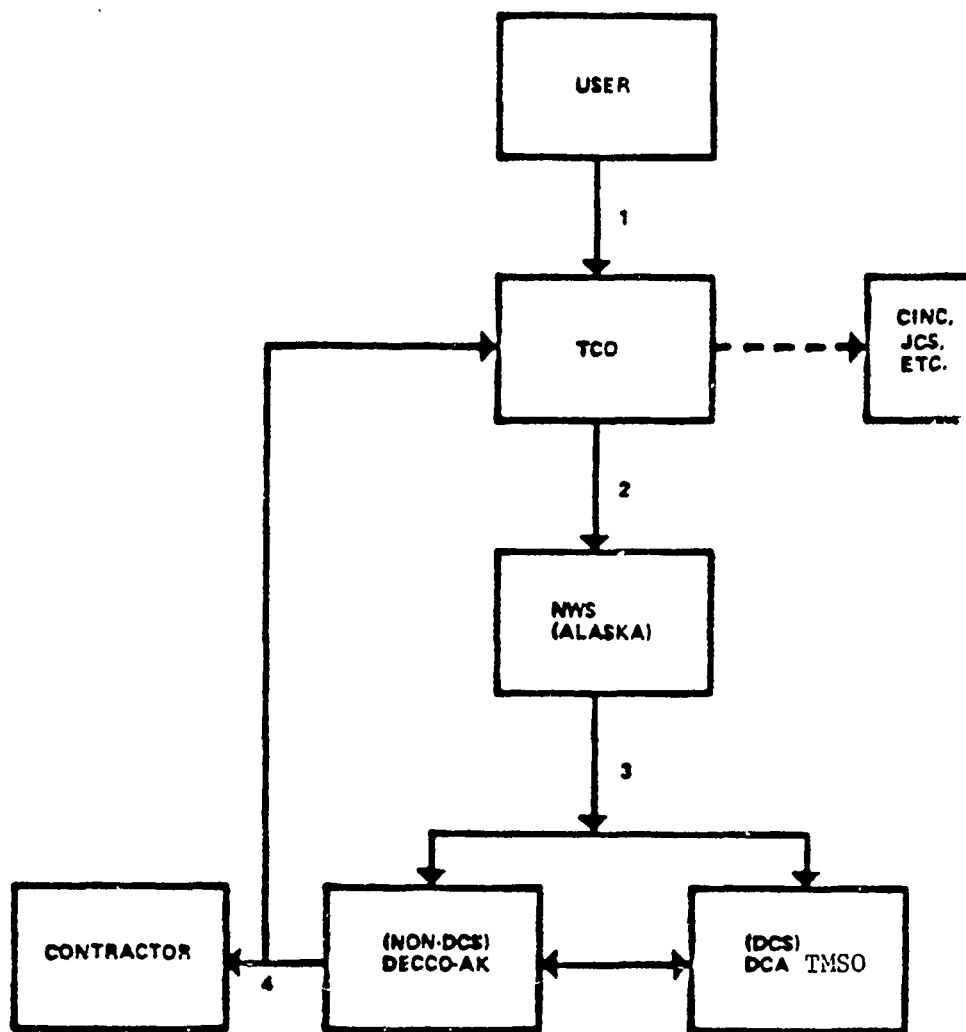


1. Requirement processed through user's chain of command.
2. Requirement involving cross-border leased service only is handled by Canadian Forces Communications Command (CFCC) and DECCO in accordance with existing DECCO and CFCC procedures. Information copies of the TSR will be sent to DCA TMSO and to NCS for RP certification. (See chapter 4, paragraph 3f, this Circular.)
3. Requirements involving use of U.S. Government-owned facilities, either in conjunction with leased facilities or without leased facilities, are forwarded to DCA TMSO to determine availability of U.S Government-owned facilities.

FIGURE 18. FLOW OF CANADIAN GOVERNMENT MILITARY (NON-CADIN) REQUIREMENTS WITHIN AND BETWEEN DCS AREAS 1 AND 2 AND NONMILITARY REQUIREMENTS WITHIN AREA 2

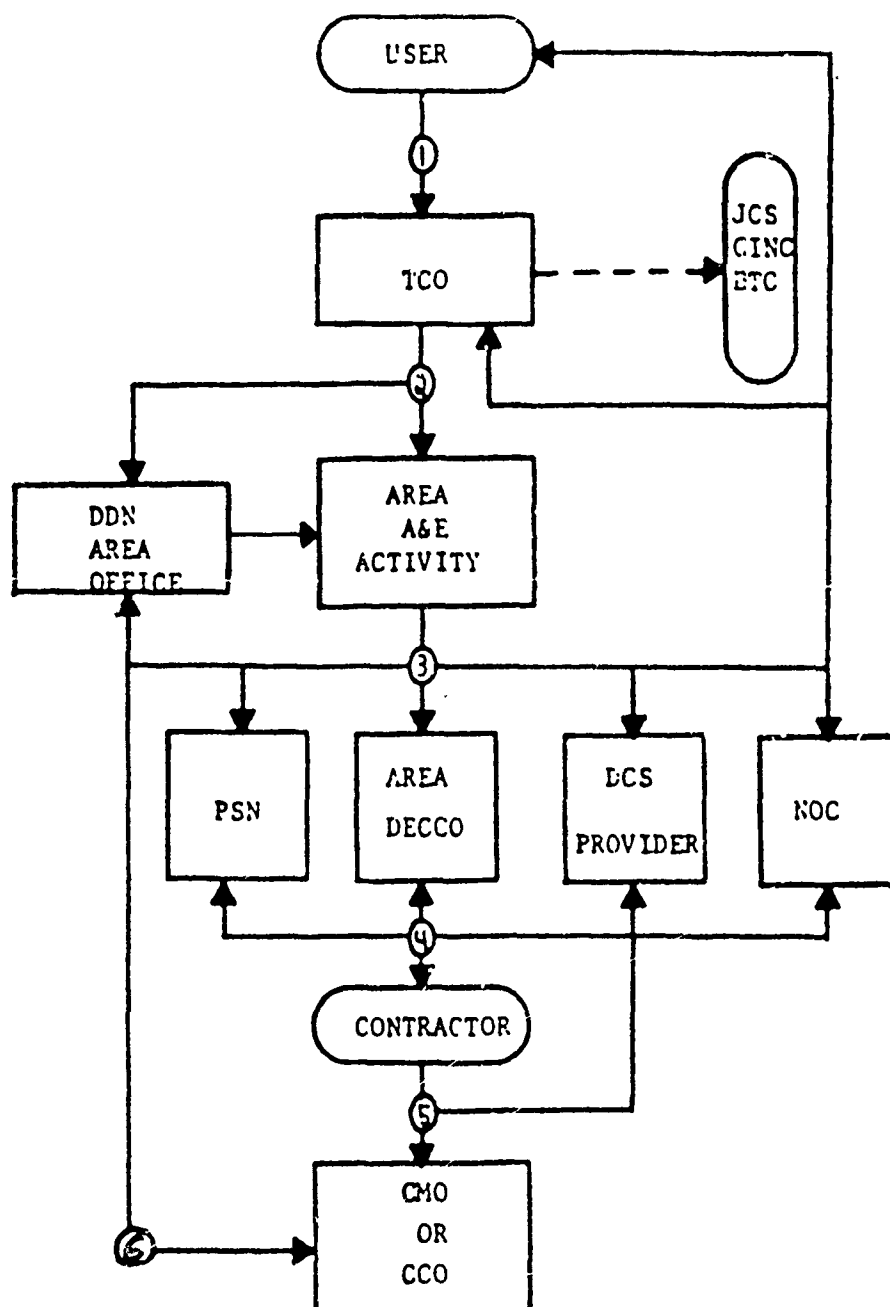
4. If U.S. Government-owned facilities are not available, DCA TMSO returns requirement to CFCC.
5. If U.S. Government-owned facilities are available, DCA TMSO coordinates with AFCC to determine whether reimbursement for use of U.S. Government-owned facilities in Canada is required. If reimbursement is required, AFCC will take direct action with the using Canadian Government agency in accordance with established AFCC procedures.
6. DCA TMSO assigns a CCSD and issues TSO to all elements having implementing responsibility, including DECCO if leasing action south of the U.S.-Canada border is required, and AFCC (CSPR) if reimbursement for use of U.S. Government-owned facilities in Canada is required. Leasing action south of the U.S.-Canada border will be handled by DECCO in accordance with existing DECCO and CFCC procedures. The TSO will contain the TSR number, the CCSD, and the RP certification. The order to the carrier will contain the same information plus the CCN.
7. CFCC will notify the requesting Canadian agency of the action taken.
8. The activity designated in the TSO will submit a completion report in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 18. FLOW OF CANADIAN GOVERNMENT MILITARY
(NON-CADIN) REQUIREMENTS WITHIN AND BETWEEN
DCS AREAS 1 AND 2 AND NONMILITARY REQUIREMENTS
WITHIN AREA 2 (CON.)



1. Requirement processed through user's chain of command.
2. Certified requirement is addressed to NWS-Alaska, for authorization to interface the NWS network. (See chapter 4, paragraph 4c(2), this Circular.) CINC, JCS, or other approval will be obtained by the TCO, where required, before the TSR is sent to NWS-Alaska.
3. NWS-Alaska authorizes the interface and forwards the TSR to DCA TMSO for DoD agencies or to DECCO-Alaska, as applicable. DCA TMSO assigns CCSD before the TSO is sent to DECCO-Alaska.
4. DECCO-Alaska issues an order to the contractor with information copies addressed to DCA TMSO and the TCO, as applicable.

FIGURE 19. FLOW OF REQUIREMENTS FOR
NWS WEATHER SERVICE WITHIN ALASKA



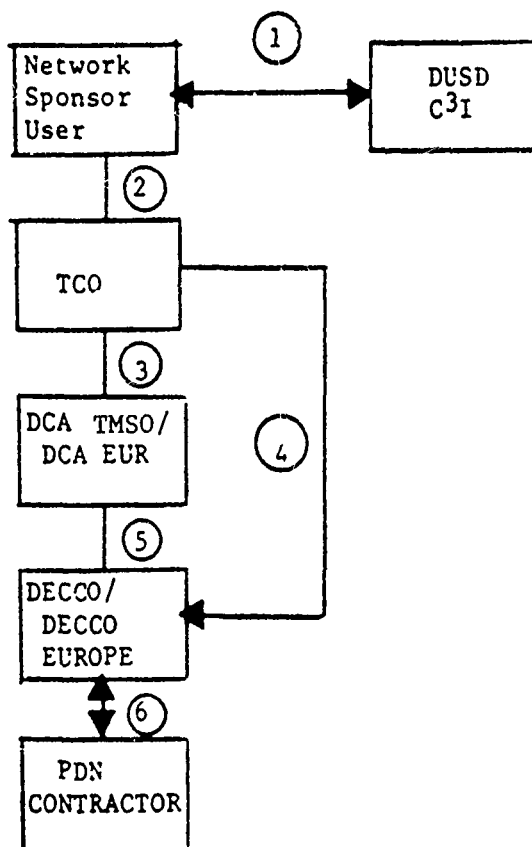
1. The Request For Service (RFS) or Feeder TSR for DDN user access line requirements will be processed through the user's normal service or Agency chain-of-command to his TCO.

2. The service or Agency TCO will review, validate, and certify the requirements through their normal procedures, and forward the TSR to the appropriate DCA area A&E activity and to NCS for the RP certification, if required, with an information copy to the DDN area office. CINC, JCS, or other approval will be obtained by the TCO, where required.

FIGURE 20. FLOW OF USER ACCESS LINE REQUIREMENTS FOR THE DDN

3. The DDN area office reviews and validates the requirement against the URDB, assigns the PSN and port numbers, completes the PSN location items and determines the appropriate GFE or leased equipment. This data is provided to the DCA area A&E activity who writes and issues the TSO for the requested service. The TSO is distributed to the appropriate DECCO activity or DCS provider and other activities having an interest in the service (NOC, PSN, all addressees of the TSR, and to DDN PMO TSR-CRP Traffic Washington, DC). For those TSR's which are invalid, the DDN area office will notify the TCO submitting the TSR of the invalidation.
4. The appropriate leasing activity takes action as required in accordance with leasing procedures within the DCA Area concerned. A Completed Leasing Action Message (CLAM) or Circuit Demand will be provided on start requirements to all addressees listed in the TSO. The DCS provider will take necessary action to ensure that circuit and/or equipment is provided and installed on time.
5. The contractor installs and tests the service and performs leasing functions in accordance with the DECCO Order. In CONUS, the contractor will report completion of work, if required, to the POC identified in the DECCO Order. In OCONUS, the DCS Provider and DDN Area Office will report completions to the Communications Management Office (CMO) or Communications Control Office (CCO) identified in the TSO for completion reporting.
6. The Service or Agency designated POC will report to the appropriate Service or Agency action officer within the DDN Subscriber Requirements and Integration Branch (CONUS Only) or to the appropriate DCA Area DDN Office (OCONUS Only) when the circuit and equipment has been installed by the vendor and/or government personnel. The DDN Management Office or the DCA Area DDN Office will then activate the hot plug type connection to the network within seven days. After successful testing by the DDN Test and Acceptance personnel, the identified CMO or CCO will ineffect the requirement. This will be accomplished in accordance with chapter 2, paragraph 10, this Circular.

FIGURE 20. FLOW OF USER ACCESS LINE REQUIREMENTS FOR THE DDN (CON.)



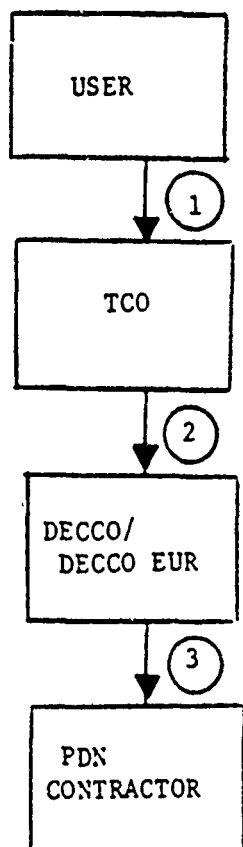
1. Before submitting a requirement for a new dedicated data network, the sponsoring activity must obtain a waiver from DUSD C³I, including issuance of a Defense Data Network (DDN) User Requirements Data Base (URDB) waiver number. This number must be submitted by the TCO in item 152 of the TSR before DCA action agencies can process the requirement. Submission of URDB exemption code signifies user intent to comply with URDB update requirements.

2. Sponsor (usually a host computer manager) sends Request for Service (RFS) through command channels to TCO. This RFS should include all information required to submit a TSR to DCA Allocation and Engineering (A&E) activity and to submit a detailed Public Data Network (PDN) Performance Specification (PS) to DECCO. DECCO provides TCO's a Guide for PDN Performance Specifications and can assist at any time during development of the PS.

FIGURE 21. FLOW OF NETWORK SERVICE PDN REQUIREMENTS

3. TCO validates requirement and submits TSR to DCA A&E activity.
4. Simultaneously with the TSR, TCO forwards PS directly to DECCO Scott or DECCO Europe as appropriate. Network requirements for a host computer in Hawaii or Alaska will be processed by DECCO Scott. Network service in other Pacific areas will be leased by the appropriate MILDEP contracting activity; e.g., 5th AF in Japan.
5. A&E activity processes TSO to DECCO Scott/DECCO Europe for processing with PS.
6. DECCO executes formal, competitive acquisition action in close coordination with TCO and user.

FIGURE 21. FLOW OF NETWORK SERVICE PDN REQUIREMENTS (CON.)

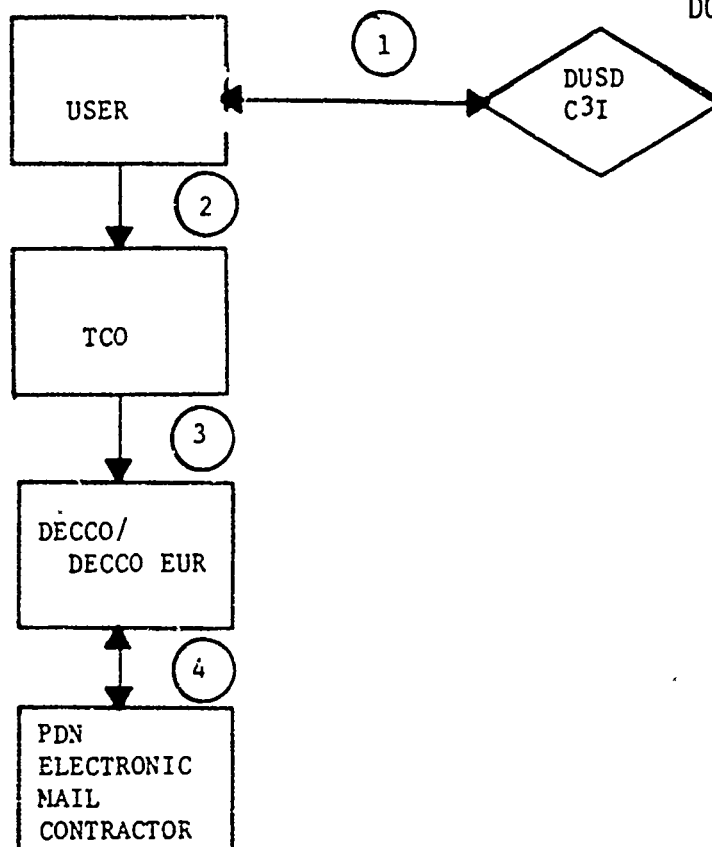


1. Overseas users needing dial-up access to existing PDN's process request through command channels to TCO.

2. TCO validates requirement and submits TSR to DECCO Scott or DECCO Europe. DECCO Scott processes all requirements for Alaska and Hawaii. Appropriate MILDEP leasing authorities acquire dial-up service in Pacific areas other than Hawaii. Requirements for PDN dial access in DCA areas 3, 4, and 5 are processed by DECCO Europe.

3. DECCO Scott leases dial-up service from Hawaii and Alaska. In most cases this will be a change to an existing network contract with a CONUS PDN carrier. DECCO Europe acquires service from appropriate local carrier or CONUS PDN carrier's authorized agent.

FIGURE 22. FLOW OF REQUIREMENTS FOR OVERSEAS DIAL ACCESS TO PDN's



1. Before submitting a requirement for electronic mail service, the sponsoring activity (user) must obtain waiver from DUSD (C³I), including issuance of a Defense Data Network (DDN) User Requirements Data Base (URDB) waiver number. This number must be submitted by the TCO in item 152 of the TSR before DCA action agencies can process the requirement. Submission of URDB waiver number signifies user intent to comply with URDB update requirements.

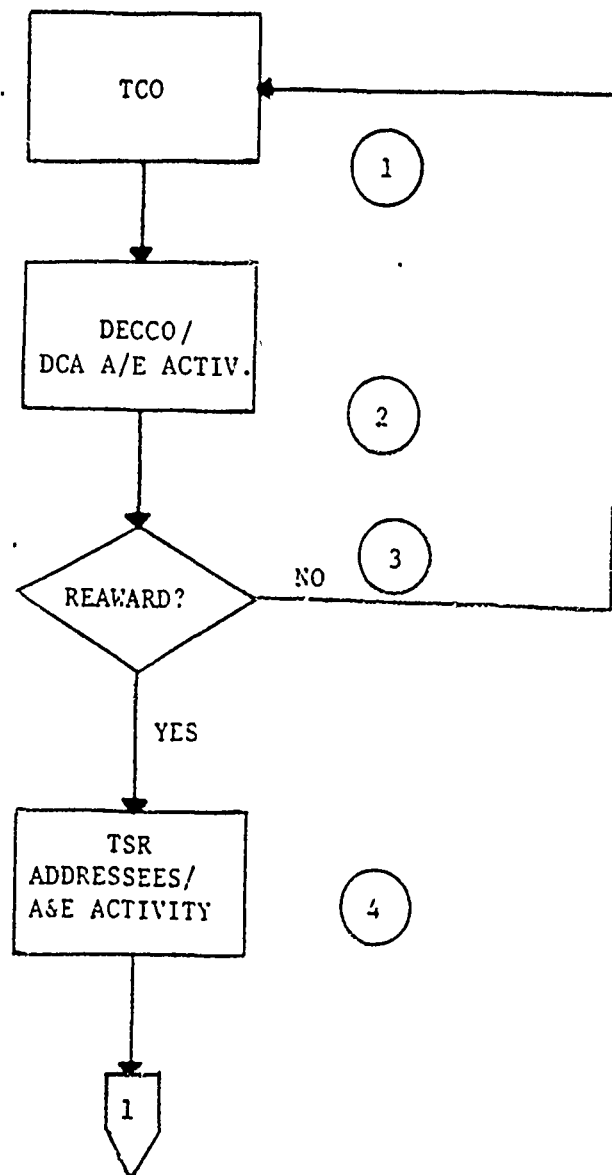
2. The user is a sponsor or single point of contact for a community of interest requiring electronic mail service. The electronic mail network sponsor submits the requirement to the TCO, including usage projections to support development of an electronic mail Performance Specification (PS).

3. The TCO validates the requirement and submits TSR directly to DECCO or DECCO Europe. Requirements for CONUS, Hawaii, and Alaska are processed by DECCO Scott. Those in DCA areas 3, 4, and 5 are processed by DECCO Europe. Appropriate MILDEP acquisition authorities lease service in Pacific areas other than Hawaii. TSR must include terminal traffic projections to support PS for formal competitive acquisitions. If PS data are too voluminous for message TSR, submit separate supporting documentation by mail. DECCO provides TCO's guidance on format and content required for this type of PS.

FIGURE 23. FLOW OF PDN ELECTRONIC MAIL REQUIREMENTS

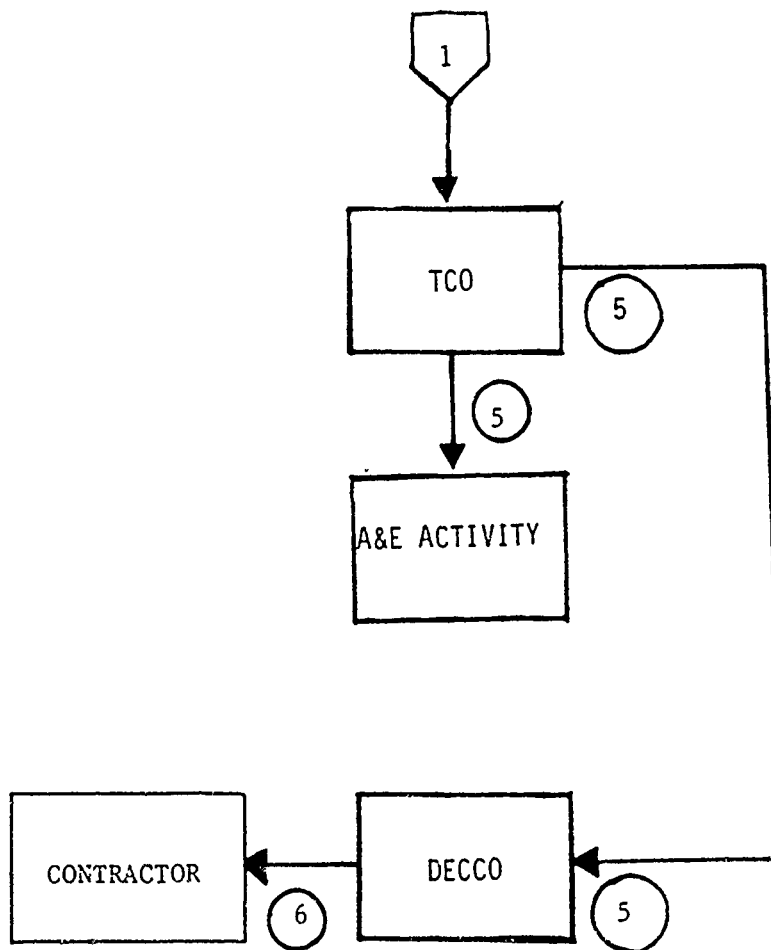
4. After working with TCO and sponsor to refine PS, DECCO completes formal, competitive acquisition of service from among PDN carriers. DECCO does not acquire electronic mail services offered by remote teleprocessing companies. These types of services are acquired through GSA's Teleprocessing Service Program.

FIGURE 23. FLOW OF PDN ELECTRONIC MAIL REQUIREMENTS (CON.)



1. TCO submits "REAWARD" TSR directly to the appropriate DCA action agency.
2. DECCO issues telecommunications service inquiries to prospective bidders.
3. If telecommunications service is not reawarded, DECCO will notify TCO by message, and identify why service was not reawarded.
4. If telecommunications service is reawarded, DECCO will notify all TSR addressees and the appropriate A&E activity by Completed Leasing Action Message (CLAM).

FIGURE 24. FLOW OF REAWARD REQUIREMENTS



5. In-effect report submitted on new service forwarded to A&E Activity/DECCO to discontinue old service.

6. DECCO issues order to vendor to discontinue old service.

FIGURE 24. FLOW OF REAWARD REQUIREMENTS (CON.)

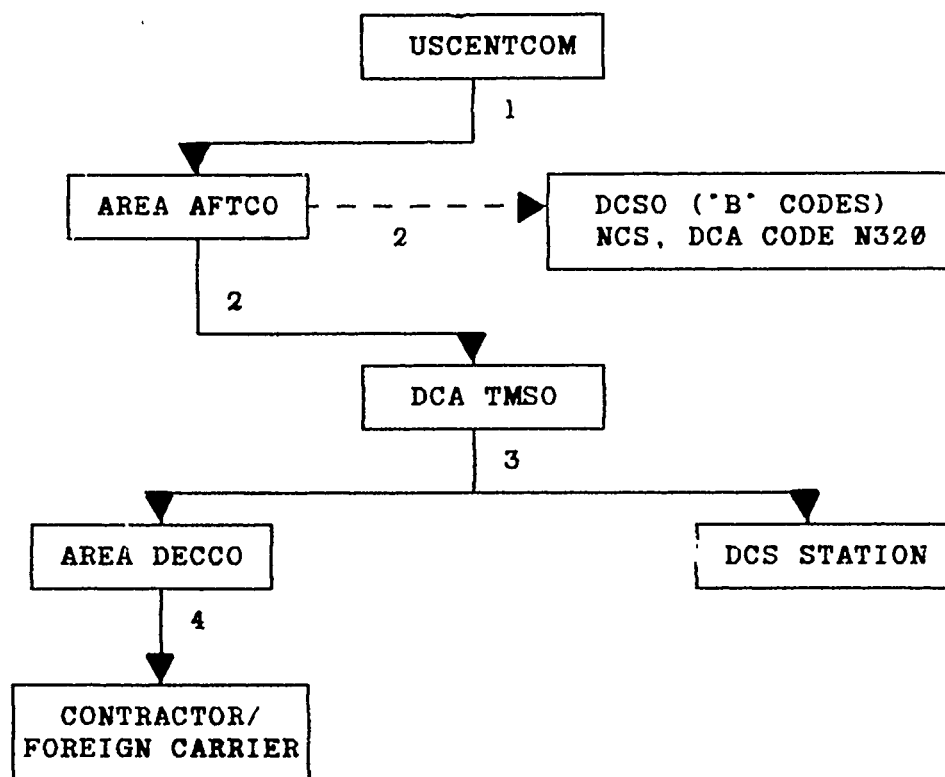


FIGURE 25. FLOW OF REQUIREMENTS FOR USCINCENT (AREA 6)

1. Requirement processed from USCENTCOM to the appropriate AFTCO office for validation.
2. The area AFTCO office sends certified requirement for DCS service to DCA TMSO for action. Information copies of the TSR will be sent to DCA Code N320, and Codes B440, B500, or B600 if the requirement pertains to the DSCS, DCS switched voice networks, or DCS switch data networks respectively. A copy will also be sent to NCS for RP certification (if applicable). As required, JCS or other approval will be cited in the TSR.
3. If the requirement can be satisfied by DCS facilities, DCA TMSO will issue a TSO to the appropriate DCS stations. If leased services or facilities are needed, and the TSR authorizes leasing action, an action copy of the TSO will go to the appropriate DECCO agency (DECCO, DECCO-PAC, DECCO-EUR).
4. DECCO performs appropriate leasing action with the contractor/foreign carrier (in accordance with applicable DCA area leasing procedures) and issues a communications leasing action message (CLAM) to all addressees of the TSO. The CLAM lists pertinent information such as TSO/TSR number, CCSD, CSA if known yet, service date, and remarks. The appropriate supporting agency locally leases the required services/facilities.
5. The activity designated in the TSO will submit a completion report IAW this circular, Chapter 2, paragraph 10.

FIGURE 25. FLOW OF REQUIREMENTS FOR USCENTCOM (AREA 6) (CON.)

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EXAMPLES OF IN-EFFECT REPORTS

SINGLE IN-EFFECT REPORT

FM 2045 CG ANDREWS AFB MD
TO DCA TMSO TSR-TSO-CRP TRAFFIC SCOTT AFB IL
INFO ALL ADDRESSEES IN TSO
BT
UNCLAS
SUBJ: IN-EFFECT REPORT
A. REFERENCE TSO MESSAGE
1. W91234/A12303
2. AA15JAN891234
3. ABCDA123
4. AT DP22343018, ALLA DP010334V
5. CHANGE
6. A. 011500Z APR 89
B. 271300Z MAR 89
7. REMARKS
8. POC INFORMATION

BT

MULTIPLE IN-EFFECT REPORT

BT
UNCLAS
SUBJ: MULTIPLE IN-EFFECT REPORT
A. REFERENCE TSO MESSAGE
THIS MSG IN 3 PARTS
PART 1
1. D90012/B123-01
2. DN15JAN890010
3. ADNDB123
4. NA
5. START
6. A. 101500Z APR 89
B. NA
7. REMARKS
8. POC INFORMATION
PART 2
1. (same as part 1 format)
etc.
PART 3
1. (same as part 1 format.)
etc.

BT

EXAMPLES OF EXCEPTION REPORTS

SINGLE EXCEPTION REPORT

FM ROBERTS AFB CA
TO DCA TMSO TSR-TSO-CRP TRAFFIC SCOTT AFB IL
INFO ALL ADDRESSEES ON TSO
BT
UNCLAS
SUBJ: EXCEPTION REPORT
A. REFERENCE TSO MESSAGE
1. W65678/F555-02
2. WA10JAN860123
3. UKKEF555
4. NA
5. CHANGE
6. A. 101600Z APR 86
B. NA
7. B.
8. REGEN CURRENTLY BEING PROCURED. EXPECT INSTALLATION
APPROX 30 APR 86.
9. POC INFORMATION
BT

MULTIPLE EXCEPTION REPORT

BT
AS
MULTIPLE EXCEPTION REPORT
REFERENCE TSO MESSAGE
1. 2 PARTS
PART 1
1. (same as example above)
etc.
PART 2
1. (same as example above)
etc.
BT

EXAMPLES OF DELAYED SERVICE REPORTS

SINGLE DELAYED SERVICE REPORT

FM NAVCOMMSTA HONOLULU HI
TO DCA PAC TSR-TSO-CRP TRAFFIC WHEELER AFB HI
INFO ALL ADDRESSEES ON TSO
BT
UNCLAS
SUBJ: DELAYED SERVICE REPORT
A. REFERENCE TSO MESSAGE
1. P61115/K123-01
2. NA15DEC850123
3. BUAAK123
4. NA
5. START
6. A. 012200Z APR 86
B. NA
7. A
8. UNKN
9. EXPEDITED ACTION IS BEING TAKEN TO INSTALL USER
TERMINAL EQUIPMENT. DATE OF INSTALLATION NOT YET
FIRM BUT ANTICIPATED APPROX 10 APR 86.
10. POC INFORMATION
BT

MULTIPLE DELAYED SERVICE REPORT

BT
UNCLAS
SUBJ: MULTIPLE DELAYED SERVICE REPORT
A. REFERENCE TSO MESSAGE
THIS MSG IN 2 PARTS
PART 1
1. (same as example above)
etc.
PART 2
1. (same as example above)
etc.
BT

EXAMPLE OF A DSN/AUTOVON START ELECTRICAL MESSAGE

R 010312Z SEP 85
FM: CINCPACAF
TO: RUHHDPT/DCA PAC TSR-TSO-CRP TRAFFIC WHEELER AFB HI
RUHHHQ/CINCPAC
INFO RUSQSN/7AF
RUMMWKA/13 AF CLARK AB PI
RUMMWKA/DCA SWP CLARK AB PI
BT
UNCLAS DCOSB
SUBJ: TELECOMMUNICATIONS SERVICE REQUEST
101. BJ31AUG870001
102. 3A
103. START
104. AUTOVON
106A. 300800Z OCT 87
106B. 150001Z OCT 87
108. AT
109. 1A
110. FULL DUPLEX
111. 3KH VOICE
112. FULL PERIOD
115. DTMF
117. 0000
118. NO
120A. CLARK
121A. RP
122A. 7
123A. TCC
124A. BLDG 955
125A. RMS 103 AND 104
126A. TA-413
129A. 4W/4W (E&M)
130A. CAPT MIKE, DO, DSN: 315-555-1234
131A. 24TH ALCC SQ APO 00000 SAN FRANCISCO CALIF
132A1. CLARK TCC
133A1. L/L
134A1. 600-1
135A1. 15,300 FT 22 NL
136A1. AF
137A1. 4.0 DB

132A2. CLARK MDF
133A2. L/L
134A2. 02
135A2. 2900 FT 22 NL
136A2. AF
137A2. 0.5 DB
132A3. CLARK AVC
120B. CLARK
121B. RP
122B. 7
123B. SCA
124B. 12350
126B. AUTOVON SWITCH
129B. 4W
130B. SGT HAYES, DSN: 315-555-6789
131B. 210 COMM SQ APO 00000 SAN FRANCISCO CALIF
201. 01098
202. TRANSPORT CONTROL CENTER
203. L
204. COMMANDER
205. 24TH ALCC SQ
206. CLARK AFB
207. APO 00000
208. 9F
209. VY
212. 03
213. 2
214. 3
219. C
220. NO
221. 0
225. YES
401. ESTABLISH AUTOVON ACCESS LINE BETWEEN 24TH ALCC AND CLARK
AUTOVON SWITCH
402. MSGT PRICE HICKAM 999-9999
403. RP OF 3A REQUIRED AS MINIMUM CIRCUIT FOR PACAF COMMAND AND
CONTROL IN MOVEMENT OF AIRLIFT AIRCRAFT
409. CLARK/RP/TCC/A315-892-1234
431. D
503. PREVIOUSLY APPROVED BY CINCPAC IN MSG 082315Z AUG 85
BT

DCAC 310-130-1
Supplement 5

EXAMPLE OF A SINGLE DISCONTINUE TSR ELECTRICAL MESSAGE

R 101147Z AUG 85
FM DIRUSARCCO RFS-TSR TRAFFIC FT HUACHUCA AZ //ASQA-DN//
TO RUEAUSA/CDRUSAISC-PTC WASHINGTON DC//ASNKP-FAC-TCB//
RUEBAWT/DCA TSR-TSO-CRP TRAFFIC WASHINGTON DC
INFO RUEADWD/CDRCCSA WASHINGTON DC//MOCS-B//
RUEAUSA/CDRUSAISC-PTC WASHINGTON DC//ASNKP-PO//
RUEKATC/DIRCE SITE R FT RITCHIE MD//ASNJ-DCE-M/ASNJ-DCE-O//
RUEOBNA/CDR7THSIGCOMD FT RITCHIE MD//ASN-PO-TL//

BT

UNCLAS

SUBJ: TELECOMMUNICATIONS SERVICE REQUEST

A. DCAC 310-130-1 (U)

B. USAISC-PTC ASNKP-PO 101900Z AUG 85 (U) NOTAL

C. 1985 R&R STATEMENT, RCS CC-54, 5 AUG 85 (U) NOTAL

101. WA12AUG858888

103. DISCONTINUE

105. DEDICATED

106A. 311800Z AUG 87

106B. 311800Z AUG 87

107. DUADPPPP

112. FULL PERIOD

116. AT D 08514

117. BBDADC

120A. PENTAGON

121A. 51

122A. B

123A. ZAZ

130A. MR. JOHN DOE VON 225-3333 COML 202-695-3333

120B. FTRITCHI

121B. 24

122B. B

123B. XXX

130B. MS. JANE DOAKES VON 988-2222, COML 717-878-2222

401. DISCONTINUE CIRCUIT AND ASSOC CSA'S IN THEIR ENTIRETIES.

402. MR GEORGE AFTON VON 879-2211, COML 602-538-2211

417. CUSTOMER DESIRES EARLIEST POSSIBLE SERVICE DATE.

514. CONAUG85P156

BT

DCAC 310-130-1
Supplement 6

EXAMPLE OF A MULTIPLE TSR ELECTRICAL MESSAGE

BT

UNCLAS DCOSB

SUBJ: MULTIPLE TSR

A. 1961 COMM GP 140318Z JAN 84

B. CINCPAC 162120Z JAN 84

THIS MESSAGE IN 4 PARTS

PART 1

101. BH10FEB840048

102. 3A

103. START

etc.

201. 56197

202. ALCC NAPLES

etc.

401. ACTIVATE AUTOVON ACCESS LINE BETWEEN 24TH ALCC AND CLARK
AUTOVON SWITCH

402. MSGT PRICE HICKAM 999-9090

403. RP OF 3A REQUIRED TO SUPPORT....

PART 2

101. BH10FEB840049

etc.

PART 3

101. BH10FEB840050

etc.

PART 4

101. BH10FEB840051

etc.

BT

/CIC/DJBT/

"DJBT" must be entered in the CIC block of the message form

FM: _____

TO: _____

INFO:

(Limit all entries to 69 characters per line)

Classification

SUBJ: Telecommunications Service Request/Multiple TSR (Line out inappropriate entry.)

Reference: A. _____
B. _____
C. _____

This message in _____ parts. (Use numeric; e.g., 1, 2, 10, etc.) (Delete if message contains a single TSR.)

(NOTE. Item number must start in position 1 of its respective line. One blank space must be left between the period which ends an item number and the first character of text for that item.)

Part _____. (Use numeric; e.g., 1, 2, 10, etc.) (Delete if message contains a single TSR.)

101. / / / / / / / / / /

TSR. Show TCO, day, mo, yr,
no. (Last block is for
amendment or cancellation
suffix.) Enter
URGENT, EMERGENCY, EMERGENCY
NSEP, or ESSENTIAL NSEP one
space following end of TSR
number, if applicable.

Example: AA02JAN900001A

102. Restoration Priority.
103. Start, Change, Discontinue,
Rehome, Amend TSR, Cancel TSR,
Developmental, Temporary, Reaward
Type action. Circle one.
104. Circuit Only/Single Vendor,
Equipment Only/Single Vendor,
Circuit and Equipment/Single Vendor,
System/Single Vendor,
Circuit and Equipment/Separate Vendors,
Maintenance of Purchased Equipment
Type of Leased Service.
Circle one.
105. AUTOVON, AUTOSEVOCOM, DSN, DCTN,
AUTODIN, DDN, PDN, PSN,
Dedicated, In-Direct AUTODIN
(AMPE Tributary)
Circuit Requirements.
Circle one.
- 106A.
D D T T T T Z M M M Y Y
Requested Operational
Service Date. Show day,
time, month, and year.
- 106B.
D D T T T T Z M M M Y Y
Requested Commercial/GFE
Service Date. Show day,
time, month, and year.
107.
CCSD or Trunk ID. Show all 8
characters of CCSD, or all 6
characters of trunk ID. On
Start/Temp TSR's, the first
four characters of the CCSD
may be identified.
108. Purpose and Use Code.
109. DCS Tech Schedule Item No.
Insert item No. from table 2.
110. Full Duplex, Half Duplex,
Multipt S/R, Multipt R/O,
Half Duplex R/O, Full Duplex
(N), Half Duplex (N), Multipt
S/R (N)
Type of Operation.
Circle one.

111.

Modulation Rate. Enter desired rate. For convenience, rates are listed in reference 4b (chapter 9). The rate must be entered exactly as shown, including the decimal. Unit designators and abbreviations used in the rate list are:

BD = BAUD	HZ = HERTZ
BS = BITS	KH = KILOHERTZ
KD = KILOBAUD	GH = GEGAHERTZ
KB = KILOBIT	MH = MEGAHERTZ
MD = MEGABAUD	SCN = FACSIMILE SCAN
MB = MEGABIT	CHNL = CHANNEL(S)

112. Full Period, Time Shared,
6 hrs/less, 6/12 hrs, 12/18
hrs, On-call, Prg Pre-empt,
2nd Pre-empt, 3rd Pre-empt,
Prog Rerte, Rsvd Commcl, Second
Path, DSCS/Sched, Freq Shared,
SW NTWK RSL, Cotgncy RQR, SPDPATH,
TEMP-EXEC, 2nd On-call.

Service Availability.
Circle one.

113.

Callup Authority.

114.
D D T T T T Z M M M Y Y

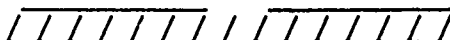
Deactivation Date If
Temporary Service

1 Way Dial	Auto Sup PBX
2 Way Dial	DTMF
1 Way Voice	Sel Sig SS1
2 Way Voice	Sel Sig SS4
1 Way RDN	No Signaling
2 Way RDN	1 WDTMF/1WA
1 Way MF	1 WV/1 WRDN
2 Way MF	2 Way AUTO
OH Tone Off	1 WRDN/1WA
OH Tone On	1 WV/1 WD
1 WD/1 WRDN	DPDT
1 WD/1 WA	DFSU
CCS	1 WD/1 WDPDT
1 Way AUTO	1 WDP/1 WDTMF
	1 WDP


Signaling Mode.
Circle one. If for
trunk package system,
enter total bandwidth
or bit rate in HZ,
KH, MH, GH, BS, KB,
or MB.

116. _____


Comm Service Authorization
(if existing leased ckt).
Enter NEW LEASE if a new
lease is required.

117. 

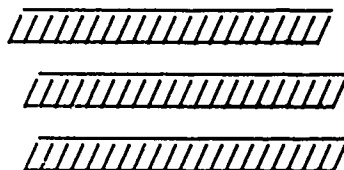
PDC. (If appropriate,
include DTN Spare channel
PDC. Separate with a slash
(/).)

118. Yes, No 
\$ Amount

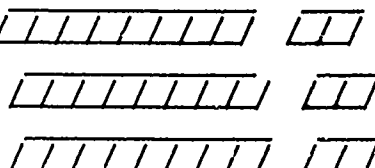
Overtime or Expediting
charges acceptable to
meet service date. Circle
option. Include maximum
allowable dollar amount if
applicable.

119A. 

Diverse from, Circuit
number(s) (last four
characters of CCSD).

119B. 

Diverse from,
CSA number or commer-
cial circuit number.

119C. 

Locations to be
avoided; GEOLOC
and State/Country
code (s).

119D. YES, NO/ _____

Transmission media to be
avoided. Specify YES or
NO. If YES is shown, enter
up to three different
transmission media that the
requested circuit must
avoid. Use plain language
descriptions of transmission
media listed in reference 4b,
chapter 58. (Use fourth line
only for media not defined in
DCAC 310-65-1; e.g., ALL
SAT).

119E.

Enter up to three DCS networks to be avoided, using appropriate acronym(s). Separate each entry by a slash ("/").

120_.

Terminal/End User Location. Enter eight-character GEOLOCO.

121_.

State/Country Code.

122_.

Area Code.

123_.

Facility Code.

124_.

Address/Directions to Site.

125_.

Rm. No. or Floor No.

126_.

Terminal Equipment (59-character limit per line).

127_.

Cryptoequipment. If none, enter "unsecure."

128_.

Interface. Do not enter subparagraph identifiers, only location letters, following the item number.

129_. 2W, 4W, 4W(E&M), 4W(IN-BAND),
6W, 8W







Termination. Circle appropriate transmission path/signaling interface terminations. (4W (E&M) and 4W (In-Band) options are for AUTOVON/DSN requirements only). (DDN direct connections will use "4W").





130_.

Contact and Telephone No. of Users.

131_.

Mail Address of User Contact.

132_ _.		Interconnect location. GEOLOCO, and Facility Code.
133_ _.	_____	Type Media.
134_ _.	_____	Local Designator.
135_ _.	_____	Facility Description.
136_ _.	_____	Operating Agency.
137_ _.	_____	Loss in dBm.
138_ _.		Enter other nation's circuit number.
139_.	_____	NPA/NNX of Actual Service Location.
140_.	_____	Unit Identification.
141-150.		Future.
151.		Enter the MSO URDB Control Number or "NONE."
152.		DDN URDB Waiver Number or enter the word "EXEMPTED" if applicable.
201.		AUTOSEVOCOM Subscriber JCS Identification.
202.	_____	Subscriber Listing.
203.	L, N, X, S	Directory Class. Circle one.
204.	_____	Title.
205.	_____	Unit Designation.
206.	_____	Location.
207.	_____	State/Country. ZIP Code/ APO-FPO.
208.		Subscriber Rate Code. Enter from table 7.

209. AX, DA, DB, DC, DE, DF, DG
DT, DW, DY, DZ, EB, EK, ER,
KR, KS, KU, NB, PA, PB, PC,
PD, PE, PF, PG, PH, PI, PJ,
PK, PL, PM, PN, PO, PP, PQ, PR,
SK, SO, ST, SY, TW, TZ, VA, VB,
VC, VD, VE, VN, VO, VR, VT, VV,
VY, WB, XX
210. _____
211. _____
212. 
213. 0, 1, 2, 3, 4, 7, 9
214. _____
215. 

216. 
217. _____
218. _____
219. A, B, C, D, E
220. Yes, No _____
221. 0, 1, 2, 3
222. 0, 1, 2, 3, 4, 5
223. 1, 2, 3, 4, 5, 6, 7
- Service Mode. Circle one.
- Future.
- Future.
- MCAI. Enter from table 6.
- MCAP. Select one.
- Number of Extensions.
- Split Home CCSD or Dual Access CCSD.
- AUTOVON Switch.
- In Rotary With.
- Traffic Volume.
- Future.
- Line-Load Control. Circle one.
- Abbreviated Dialing. Circle one.
- Community of Interest, table 4. Circle one.
- Precedence in Community of Interest, table 5. Circle one.
- Outpulsed Digits. Circle one.

224. B, C, P, X Conference Service. Circle one.
225. Yes, No Incoming Preemption. Circle one.
226. Yes, No In Hunt. Circle one.
227. _____ Future.
228. _____ AUTOSEVOCOM Equipment Maintenance Agency.
229. _____ AUTOSEVOCOM Drop Number.
230. _____ COMSEC Account Number.
231. _____ Type Switch (AUTOSEVOCOM only).
232. _____ Future.
233. _____ Type PBX/PABX and attendant switchboard, manufacturer's name, and model.
234. GFE Leased Government-owned or leased PABX. Circle one.
235. _____ Operator Assist Number.
236. _____ Access Code.
237. _____ Thousands Level.
238. _____ Number of Class A Stations.
- 239A. _____ Total Engineered Erlangs (DSN only).
- 239B. _____ With Internodal Allocation Erlang Subscription (DCTN only).
- 239C. _____ Without Internodal Allocation Erlang Subscription (DCTN only).
240. _____ PABX Size.
241. /// Switched Services Capacity.
301. _____ Subscriber Identification/ ID Number.

302. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ GENSER RI
Required, DSSCS
RI Required,
DSSCS/GENSER
RI Required GENSER RI and/or
circle appropriate entry.
303. Mode I, Mode II, Mode V
MSU, Hybrid. Channel Code. Circle one.
MSU, Hybrid. Circle one.
304. Block by block, Continuous Operating Mode. Circle one.
305. DSSCS/MM, DSSCS/GENSER MM/TS,
TS, Secret, Conf, Security Level. Circle one.
SPECAT SIOP-ESI, Res, EFTO,
SPECAT LESS SIOP-ESI, Unclass
306. ☐ ☐ Subscriber Rate Code. Enter
from table 8.
307. _____ Future.
308. _____ Future.
309. _____ Future.
310. ☐ ☐ Enter equipment code from
table 10 or 11.
311. Open - Mon, Tue, Wed, Thur,
Fri, Sat, Sun, Hol, _____
to _____ or continuous. Circle appropriate period.
Use local times at the
terminal.
312. _____ AUTODIN MERL Numbers.
313. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ RI for Narrative Altroute.
314. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ RI for Data Altroute.
315. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ RI for Mag Tape Altroute.
316. ☐ Cat I, ☐ Cat II,
☐ Cat III, ☐ Cat IV Narrative Altroute Time.
Enter a code in each block.

317. ☐ Cat I, ☐ Cat II,
☐ Cat III, ☐ Cat IV
Data Altroute Time.
Enter a code in each block.
318. ☐ Cat I, ☐ Cat II,
☐ Cat III, ☐ Cat IV
Mag Tape Altroute Time.
Enter a code in each block.
319. DSSCS/MM, TS, Secret, Conf,
SCSIESI, Res, EFTO
SCLSIESI, Unclas
Highest level for narrative
to be altrouted. Circle one.
320. TS, Secret, Conf, SCSIESI
SCLSIESI, Res, EFTO,
Unclas
Highest Level for data
that can be altrouted.
Circle one.
321. TS, Secret, Conf, SCSIESI
SCLSIESI, Res, EFTO,
Unclas
Highest level for mag tape
that can be altrouted.
Circle one.
322. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
CCSD of Present DIN Circuit.
323. One Set, Two Sets
Type Terminal. Circle one.
- 324 - 327. _____
Future.
328. 1, 50, 500
Number of Routing Indicators
terminal is capable of
receiving. Circle one.
329. _____
Future.
330. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
List any collective Routing
Indicator (RI) which this
subscriber should receive.
331. ASCII, FIELDATA, ITA-2
Circle appropriate Line Code.
332. JANAP 128, ACP 127,
ACP 127 (MOD), JANAP 128 MOD
Circle appropriate msg
format(s).
333. 69, 80, 120, 132, or greater
Circle appropriate platen
size.

- | | | |
|------|--|--|
| 334. | Stepped, Free-running | Circle appropriate operation as relates to equipment 08. |
| 335. | Q/R Terminal, Regular
Q/R Host, Special Q/R
Host. | Type Query/Response Service. Circle one. |
| 336. | Yes, No | Dual Homed Host. Circle one. |
| 337. | <div style="border-bottom: 1px solid black; width: 100%; height: 1em; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> | Routing Indicator for Q/R Altroute. |
| 338. | <div style="display: inline-block; width: 1.5em; height: 1.2em; border: 1px solid black; margin-right: 0.5em;"></div> Cat I, <div style="display: inline-block; width: 1.5em; height: 1.2em; border: 1px solid black; margin-right: 0.5em;"></div> Cat II,
<div style="display: inline-block; width: 1.5em; height: 1.2em; border: 1px solid black; margin-right: 0.5em;"></div> Cat III, <div style="display: inline-block; width: 1.5em; height: 1.2em; border: 1px solid black; margin-right: 0.5em;"></div> Cat IV | Q/R Host Altroute Time.
Enter code in each block. |
| 339. | DSSCS/MM, TS, Secret, Conf,
SCSIESI, Res, EFTO,
SCLSIESI, Unclass | Highest Level for Q/R traffic that can be altrouted. Circle one. |
| 340. | Flash, Immediate, Priority,
Routine | Precedence (General Service Community). Circle one. |
| 341. | <div style="border-bottom: 1px solid black; width: 100%; height: 1em; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> | Normal Destination RI (General Service Community). |
| 342. | TS, Secret, Conf, Res, EFTO,
Unclass, DSSCS/MM, SPECAT
SIOP-ESI, SPECAT LESS SIOP-
ESI. | Security, normal query header (General Service Community). Circle one. |
| 343. | <div style="border-bottom: 1px solid black; width: 100%; height: 1em; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> | Content Indicator Code (General Service Community). |
| 344. | <div style="border-bottom: 1px solid black; width: 100%; height: 1em;"></div> | Future. |
| 345. | <div style="display: inline-block; width: 100px; height: 1.2em; border: 1px solid black; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> <div style="display: inline-block; width: 100px; height: 1.2em; border: 1px solid black; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div>
<div style="display: inline-block; width: 100px; height: 1.2em; border: 1px solid black; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> <div style="display: inline-block; width: 100px; height: 1.2em; border: 1px solid black; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div>
<div style="display: inline-block; width: 100px; height: 1.2em; border: 1px solid black; position: relative;"><div style="position: absolute; left: 0; right: 0; bottom: -5px; border-top: 1px dashed black;"></div></div> | RI Exceptions (General Service). Enter up to five. |

361. _____

Future.

362. R, P, O, F, FO

Precedence. Circle one.

363. 

DDN subscriber crypto account number

364. _____

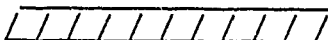
DDN subscriber crypto account custodian and telephone number.

365. _____

DDN subscriber crypto account custodian mailing address.

366. _____

DDN subscriber crypto account custodian message PLA.

367. 

DDN subnetwork this requirement is to be connected to.

368. 

Host Name. Enter up to 24 characters.

369-400

Unassigned.

401. _____

Purpose of TSR--General Description

402. _____

TSR Contact Information.

403. _____

NCS RP Justification.

14

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404_. _____

Unique Installation
Factors.

405_. _____

ADPE Statement.

406_. _____

Justification for Other Than
Full and Open Competition

407_. _____

Equipment to be Acquired by
DECCO. (59-character limit
per line).

408. _____

Satellite Routing and
Operations Objections.

409.

//////	///	///	//////////
GEOLOCO /	SC/	ENR/	PHONE NUMBER
OR			(27 Character
ACTIVITY NAME			Maximum)

CCO/CMO to accept service.
Enter GEOLOCO/SC/ENR or name
of activity (not to exceed 15
characters), and current
AUTOVON (A) or Commercial (C)
phone number (not to exceed
27 characters). Separate
"GEOLOCO", "SC", "ENR", or
activity name and the phone
number with a slash (data in
this item is restricted to 43
alpha-numeric characters,
including spaces, slashes, and
dashes).

410_. _____

Demarcation Point.

411. _____

Security Requirements.

412. _____

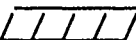
Activity to Receive
Special Periodic Progress
Report from Contractor.

413. _____

Overseas Shipping
Instructions.

414. _____

Connection Approval.

415A. 

DCA Control Number

415B. _____

Unclassified Exercise, Special
Project Name

416. 

Cost Threshold (maximum of
\$9,999,999).

417. _____

Remarks/NSEP Information.
DDN exempt categories
entered here.

418. _____

DD Form 1368.

419. _____

Future.

420. _____

Toll Calls, PDN, TWX, or
Metered Services
Validating Authority.

421. _____

U.S. Gateways.

422. 

Transmission Media Code.

423. _____

24-HR On-Call European
Telecommunications Maintenance
Service. If desired, include
applicable statement and
identify call-out authority.

424. _____ ALLA Number and RP.
425. _____ Simultaneous TSR Action.
426. _____
_____ Bit Error Rate.
427. Lease,
Lease with option to purchase,
Lease to ownership,
Outright purchase with installation,
Outright purchase without installation,
Purchase existing equipment Equipment Lease or Purchase
Option. Circle one.
428. Yes, No Basic Termination Liability
(BTL). Circle one.
429. _____
_____ Circuit Specifications.
430. _____ Months Estimated Service Life.
431. D N General Class of Service.
Circle D for DCS; circle N
for non-DCS.
432. D N V Cost Indicator. Circle
appropriate code.
433. _____ Leased Equipment to be
Removed.
434. _____ Leased Equipment to be
Relocated.
435. _____ Future.
436. _____ WATS Service.
437. CPIWI-YES, CPIWI-NO/CPIWM-YES,
CPIWM-NO, CPIWM-CANCEL Customer Premise Inside Wire
Installation (CPIWI) and
Maintenance (CPIWM) Option.
Circle one choice for
installation and one for
maintenance. Separate
entries with a "/".
438. _____
NONE, BOTH Enter Leased Equipment CSA
Number or circle appropriate
entry.

439. _____

If the service is split billed, list all billing CSA numbers associated with the service.

440_. Will Leak, Will Not Leak;
IML, IFV

Access to Commercial Local Exchange Networks. Circle one.

441. Cost; Operational

Lease Versus Buy Analysis. Circle the appropriate rationale supporting the decision to lease or purchase the requested service.

442. Yes, No/

Maintenance of Purchased Equipment. Specify Yes or No to indicate maintenance support is/is not required for purchased equipment. If Yes, identify the type of maintenance desired.

501. _____

Provide justification of service requested.

502. _____

If service has been directed by higher authority, identify reference.

503. _____

If service requires OASD, NWS, NOAA, JCS, FAA, or CINC approval, cite document which provides their approval.

504. _____

If DSN/AUTOVON or AUTOSEVOCOM, provide justification for maximum calling area.

505. _____

_____ If DSN/AUTOVON or AUTOSEVOCOM service is requested and other than routine precedence is intended, provide justification. If DDN service is requested, and flash or flash override precedence is intended, provide appropriate justification and cite JCS authorization documentation.
506. _____

_____ If AUTOVON abbreviated dialing is required, provide justification.
507. _____

_____ If AUTOVON conference service is required, provide justification.
508. _____

_____ If offhook service or preemption capability is required, provide justification.
509. _____ Unassigned.
510. _____

_____ Reference message or telecall, etc., that provided approval when citing PDC of another department or agency TCO.
511. _____ Unassigned.
512. _____

_____ DCS/non-DCS Approval (DoD Agencies only).
513. _____

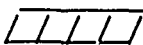
_____ AMPE Approval.

514. _____

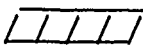
Requesting Activity's
Requirement Number.

515_. 

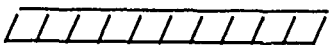
FCC Registration Number.

516_. 

Ringer Equivalency Number.

517_. 

Service Code.

518_. 

Facility Interface Code and
Port Class Identifier.

(Item required = R; item optional = O; not required = BLANK)

[illegible]

(Item required = R; item optional = O; not required = BLANK)

11068	Req Commercial/GFE Svc Date	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS
		TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL				
		NON- DCS	DED	SEVOCOM	DIN DDN	NON- DCS	DED	SEVOCOM	DIN DDN	NON- DCS	DED	SEVOCOM	DIN DDN	
		R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	*Required for all DDN Service TSR's all other requirements utilizing leased circuits/equipment and/or Government Furnished Equipment (GFE).
		R*	O	O	O	O	R*	R	R	R	R	R	R	*Applicable to FAA and Coast Guard circuits only. The first four positions of the CCSD may be shown on START/TEMP TSR's.
		R*	R*	R*	R*	R*	O	O	O	O	O	O	O	*When no CCSD, purpose and use code is always required, for circuits only. (N/A for FAA requirements)

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS			
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL							
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS				
	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	
109 DCS Tech Schedule	R*	R	R	R	R	R	R*	O	O	O	O					*Applicable to circuits only.
110 Type Operation	R*	R	R	R	R	R	O*	R	R	R	O					*Applicable to circuits only.
111 Mod Rate	R*	R	R	R	R	R	O*	O	O	O	O					*Applicable to circuits only.
112 Svc Avail	R*	R	R	R	R	R	O*	R	R	R	R	R	R	R	R	*Applicable to circuits only.
113 Callup Auth	R*	R*	R*	R*	R*	R*	R*									*Required for engineered military and on-call circuits only.
114 Tempy SVC DISC Date	R	R	R	R	R	R										
115 Sig Mode	O	R	R	R*	R*	R*	O	O	O	O						*Entry must be: "No Signaling".

(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS						CHANGES						DISCONTINUE					
	TEMPORARY DEVELOPMENTAL						AMEND REHOME						CANCEL					
	NON-DCS		DSN		DCS DED SEVOCOM DIN DDN		NON-DCS		DSN		DCS DED SEVOCOM DIN DDN		NON-DCS		DSN		DCS DED SEVOCOM DIN DDN	
116 CSA No.	R*	R*	R*	R*	R*	R*	R	R	R	R	R	R	R	R	R	R	R	R
117 PDC	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*
118 Overtime/Expediting Charges	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
119 Special Routing	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*	O*

*Not required if leased,
purchased, or
CSIF services are
not authorized.

Required on all
TSR's with
insufficient
leadtime.

*Circuit TSR's
only. Item 119D
entry required on
all circuit start
TSR's.

	STARTS/REWARDS						CHANGES						DISCONTINUE					
	TEMPORARY DEVELOPMENTAL						AMEND REHOME						CANCEL					
	NON-DCS	DCS	DED	SEVOCOM	DIN	DDN	NON-DCS	DCS	DED	SEVOCOM	DIN	DDN	NON-DCS	DCS	DED	SEVOCOM	DIN	DDN
120_ End User Location	R	R	R	R	R	R	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*
121_ State/Country Code	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
122_ Area Code	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
123_ Facility Code	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
124_ Address/Directions To Site	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
125_ Room Info	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
126_ Terminal Equip	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
127_ Cryptoequipment	R	R	R	R	R	R	O	O	O	O	O	O	O	O	O	O	O	O
128_ Interface	R	R	R	R	R	R	O	O	O	O	O	O	O	O	O	O	O	O

*Required to aid in leasing actions.

N/A to maintenance contracts.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS			CHANGES			DISCONTINUE			COMMENTS	
	TEMPORARY DEVELOPMENTAL			AMEND REMOVE			CANCEL				
	NON-DCS	DCS	DSN	NON-DCS	DCS	DSN	NON-DCS	DCS	DSN		
	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	
129_ Termination	R*	R	R	R	R	R	R	R	O		*Required for circuits only.
130_ Contact	R	R	R	R	R	R	R	R	R	R	
131_ Mail Address	R	R	R	R	R	R	R	R	R		N/A for FAA.
132_ Facility Location	R*	R*	R*	R*	R*	O	O	O	O		*TSR items 132 through 137 are required only on
133_ Type Media	R*	R*	R*	R*	R*	O	O	O	O		TSR's requesting
134_ Local Designation	R*	R*	R*	R*	R*	O	O	O	O		circuits in the
135_ Fac Description	R*	R*	R*	R*	R*	O	O	O	O		European or
136_ Optng Agency	R*	R*	R*	R*	R*	O	R	O	O		Pacific areas.
137_ Loss in dBm	R*	R*	R*	R*	R*	O	O	O	O		
138_ Other Nations Ckt No.	O	O	O	O	O	O	O	O	O		
139_ NPA/NXX	R*	R*	R*	R*	R*	O**	O**	O**	O**	O**	*Required only for U.S. circuit requirements. **Required for U.S. circuit relocations only.

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TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = 0; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS			
	TEMPORARY DEVELOPMENTAL				AMEND REMOVE				CANCEL							
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS				
140_ Unit ID	DCS	DED	SEVOCOM	DIM	DDN	DCS	DED	SEVOCOM	DIM	DDN	DCS	DED	SEVOCOM	DIM	DDN	
151 MSO URDB No.	0	0	0	0	0	0	0	0	0	0						*Required for DSCS service.
152 DDN URDB Waiver Number	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*						*Required for DIN Q/R SVC and data SVC exempted from DDN. **Not required for non-DoD requirements.
201 Sub ID	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*						*Required for AUTOSEVOCOM. (Not required for P/U code "UR".)
202 Sub Listing	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*						*Required if not in existing hunt group.

(200 Series Items Apply To DSN/AUTOVON AND AUTOSEVOCOM Access Lines Only.)

(200 Series Items Apply To DSN/AUTOVON AND AUTOSEVOCOM Access Lines Only.)

TSR ITEM SUBMISSION MATRIX (CONT.)

(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS					CHANGES					DISCONTINUE					COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
203	Directory Class	R*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS					CHANGES					DISCONTINUE					COMMENTS	
	TEMPORARY DEVELOPMENTAL					AMEND REHOME					CANCEL						
	NON- DCS	DCS	DED	SEVOCOM	DIN DDN	NON- DCS	DCS	DED	SEVOCOM	DIN DDN	NON- DCS	DCS	DED	SEVOCOM	DIN DDN		
212	MCAI			R													
213	MCAP			R													
214	No of Ext			R*													*Required if direct subscriber access.
215	Dual Access			O													
216	Rotary			O													
217	Traffic Data			R*													*Required for PBX access lines.
218	Future																
219	Line-Load Control			O													
220	Abbrev Dial			O													
221	COI			O													
222	COI Precedence			O													
223	Digits Outputted			O													

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS		CHANGES		DISCONTINUE		COMMENTS
	TEMPORARY DEVELOPMENTAL		AMEND REHOME		CANCEL		
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	
233 PABX Mfg Name	DCS DED SEVOCOM DIN DDN	NON-DCS DED SEVOCOM DIN DDN	DCS DED SEVOCOM DIN DDN	NON-DCS DED SEVOCOM DIN DDN	DCS DED SEVOCOM DIN DDN	NON-DCS DED SEVOCOM DIN DDN	*Required if starting new N100 Service or processing a change to existing N100 service.
234 Owned/Leased							*Required if starting new N100 Service or processing a change to existing N100 service.
235 Operator Asst No.							*Required if starting new N100 Service or processing a change to existing N100 service.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS		CHANGES		DISCONTINUE		COMMENTS
	TEMPORARY DEVELOPMENTAL		AMEND REHOME		CANCEL		
	NON -	DCS	NON -	DCS	NON -	DCS	
	DCS	DSN	DCS	DSN	DCS	DSN	
	DCS	DED SEVOCOM DIN DDN	DCS	DED SEVOCOM DIN DDN	DCS	DED SEVOCOM DIN DDN	
236 Access Code	R*		R*				*Required if starting new N100 service or processing a change to existing N100 service.
237 Thousands Level	R*		R*				*Required if starting new N100 service or processing a change to existing N100 service.
238 No. Class A	0		0				
239 DSN Usage	0		0				
240 PABX Size	R*		R*				*Required if starting new N100 service or processing a change to existing N100 service.

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TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS		CHANGES		DISCONTINUE		COMMENTS
	TEMPORARY DEVELOPMENTAL		AMEND RE 'OME		CANCEL		
	DCS		DCS		DCS		
	NON-DSM		NON-DSM		NON-DSM		
	DCS DED SEVOCOM DIM DDN	DCS DED SEVOCOM DIM DDN	DCS DED SEVOCOM DIM DDN	DCS DED SEVOCOM DIM DDN	DCS DED SEVOCOM DIM DDN	DCS DED SEVOCOM DIM DDN	
241 Switched Services Capacity							
301 Sub ID No.	O		O			R	
302 RI	R		O				
303 Channel Code	R		O				
304 Op Mode	R		O				
305 Security Class	R		O				
306 Sub Rate Code	R		O				
307 Future							
308 Future							
309 Future							
310 Equip Code	R		O				

*Required for all
DCTN and DSM
PAT requirements.

TSR ITEM SUBMISSION MATRIX (CONT.)

(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS					CHANGES					DISCONTINUE					COMMENTS
	TEMPORARY DEVELOPMENTAL					AMEND REHOME					CANCEL					
	NON-DCS	DCS	NON-DCS	DCS	DDN	NON-DCS	DCS	NON-DCS	DCS	DDN	NON-DCS	DCS	NON-DCS	DCS	DDN	
	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	
311	Op Period				R					0						
312	MERL NO				O					0						
313	RI-Narrative				R					0						
314	RI-Data				R					0						
315	RI-Mag Tape				R					0						
316	Marr Alt				R					0						
317	Data Alt				R					0						
318	Mag Tape Alt				R					0						
319	Security Marr				O					0						
320	Security Data				O					0						
321	Security Mag				O					0						
322	CCSD DIN CKT				O					0						
323	Type Term				O					0						

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL				
	NON-DCS	DCS	DED	SEVOCOM	DIN	DDN	NON-DCS	DCS	DED	SEVOCOM	DIN	DDN	
324	Future												
325	Future												
326	Future												
327	Future												
328	RI Capability					R						0	
329	Future												
330	Collective RI					R						0	
331	Line Code					R						0	
332	Msg Format					R						0	
333	Platen Size					R						0	
334	Cryptoequipment						0					0	
335	Type Q/R					R*						0	

*If for Query/Response Service.

*If for
Query/Response
Service.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS			
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL							
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS				
	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	
336		Dual	Homed	Most		R*				0						*If for Query/Response Service.
337		Alt	Host	Q/R		R*				0						*If for Query/Response Service.
338		Host	Alt	Time		R*				0						*If for Query/Response Service.
339		Security	Level			R*				0						*If for Query/Response Service.
340		Precedence				0				0						
341		Normal	RI			0				0						
342		Security				0				0						
343		CIC				0				0						
344		Future														

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS		CHANGES		DISCONTINUE		COMMENTS			
	TEMPORARY DEVELOPMENTAL		AMEND REHOME		CANCEL					
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS				
	DCS	DED	SEVOCOM	DIN	DDM	DCS	DED	SEVOCOM	DIN	DDM
345	RI Exceptions		O		O					
346	DSSCS RI		O		O					
347	Seq Delivery		R		O					
348	Unit To Provide		R*		O*					*If tactical and Crypto Material KW-26 CRYPTO equipment in use.
349	ETR Service		O		O					
350	T1 Line Option		R		R					
351	End of MED CAP.		R		O					
352	URDB ID No.	R	R	R	R	R	R*	R	R	*Required for DIN Q/R Svc.
353	SYS ACRONYM NAME		R		R				R	
354	Future									
355	Dual Home Rqr		R*		R*					*Required for Host only.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS					CHANGES					DISCONTINUE					COMMENTS
	TEMPORARY DEVELOPMENTAL					AMEND REMOVE					CANCEL					
	NON-DCS	DCS	DED	SEVOCOM	DIN DDN	NON-DCS	DCS	DED	SEVOCOM	DIN DDN	NON-DCS	DCS	DED	SEVOCOM	DIN DDN	
408	Objection to Satellite Svc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
409	CCO/CMO to accept service	R*	R*	R*	R*	R	R	R	R	R	R	0	0	0	0	*N/A for developmentals.
410	Demarc Pt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
411	Security Access Rqmt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
412	Acty Rec Prog Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
413	O/S Ship Instr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
414	Connection Approval	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	*May be required for certain TSR's. See ch. 1, par. 4f.
415A	nCA Control Number/ Exercise Circuit	R*	R*	R*	R*	0	0	0	0	0	0	0	0	0	0	*Required for exercise support only.

*May be required for certain TSR's. See ch. 1, par. 4f.

*Required for exercise support only.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

4158 Exercise/Project Name	STARTS/REWARDS					CHANGES					DISCONTINUE					COMMENTS
	TEMPORARY DEVELOPMENTAL					AMEND REHOME					CANCEL					
	NON- DCS	DED	SEVOCOM	DIN	DDN	NON- DCS	DED	SEVOCOM	DIN	DDN	NON- DCS	DED	SEVOCOM	DIN	DDN	
416 Cost Threshold	R*	R*	R*	R*	R*	0	0	0	0	0	0	0	0	0	0	*Required for exercise support only.
417 Remarks	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0	*Required for NSEP and/or DDN exempt requirements.
418 DD 1368 Sub Agcy	R*	R*	R*	R*	R*	0	0	0	0	0	0	0	0	0	0	*N/A to Developmentals.
419 Future																
420 Metered SVC Acty Billed material Chrg	0	0				0	0									
421 U.S. Gateways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
422 Transmission Media	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

ITEM SUBMISSION MATRIX (CONT.)
(Item required = 1; item optional = 0; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL				
	NON-DCS		DCS		NON-DCS		DCS		NON-DCS		DCS		
	DDN	DIN	DDN	DIN	DDN	DIN	DDN	DIN	DDN	DIN	DDN	DIN	
423 24 HR On-Call European Maint Svc	0	0	0	0	0	0	0	0	0	0	0	0	
424 ALLA No. and RP	0				0	0	0	0	0	0	0	0	Applicable to European circuits only.
425 Simultaneous TSR Action	0	0	0	0	0	0	0	0	0	0	0	0	
426 Bit Error Rate	0	0	0	0	0	0	0	0	0	0	0	0	
427 Equipment Lease or Purchase Options	0	0	0	0	0	0	0	0	0	0	0	0	
428 BTL	0	0	0	0	0	0	0	0	0	0	0	0	
429 Circuit Specifi- cations	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	*Must be submitted if TSR item 109 reflects "NS".

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS			CHANGES			DISCONTINUE			COMMENTS	
	TEMPORARY DEVELOPMENTAL			AMEND REHOME			CANCEL				
	NON - DCS	DCS	DSN	NON - DCS	DCS	DSN	NON - DCS	DCS	DSN		
430 Est Svc Life	R*	R*	R*	R*	R*	R*	DCS	DED	SEVOCOM	DIN DDN	
431 Class of Svc	R*	R*	R*	R*	R*	R*	DCS	DED	SEVOCOM	DIN DDN	
432 Cost Indicator	0	0	0	0	0	0	0	0	0	0	0
433 Leased Equip to be Removed							0	0	0	0	0
434 Leased Equip to be Relocated							0	0	0	0	0
435 Future											
436 WATS request	0	0	0	0	0	0					

*Required for all new start requests for leased service, facilities, or equipment to be acquired by DECCO.

*Optional on Developmental TSR's.

*Required for all new start requests for leased service, facilities, or equipment to be acquired by DECCO.

*Optional on Developmental TSR's.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS			
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL							
	NON-	DCS	DSN	DCS	NON-	DCS	DSN	DCS	NON-	DCS	DSN	DCS				
	DCS	DED	SEVOCOM	DIM	DDN	DCS	DED	SEVOCOM	DIM	DDN	DCS	DED	SEVOCOM	DIM	DDN	
437 Inside Wire Instl/ Maint	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	*Required on all start and applicable change TSR's which request leased circuits within U.S.
438 Assoc Leased Equipment	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
439 Assoc Billing CSA Numbers						R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	*Required only if the service is split billed.
440 Commercial Access	R*	R*	R*			R*	R*	R*								*Required on all start/change TSR's for leased Interstate Private Line Service and all international services terminating in the Federal Republic of Germany.

TSR ITEM SUBMISSION MATRIX (CONT.)

(Item required = R; item optional = 0; not required = BLANK)

	STARTS/REWARDS						CHANGES						DISCONTINUE						COMMENTS
	TEMPORARY DEVELOPMENTAL						AMEND REHOME						CANCEL						
	NON- DCS	DED	SEVOCOM	DIN	DDN		NON- DCS	DED	SEVOCOM	DIN	DDN		NON- DCS	DED	SEVOCOM	DIN	DDN		
441 Leased VS Buy Ana'ysis	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	*Required on all requests for the acquisition of equipment.	
442 Equipment Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
501 Svc Justification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCO.	
502 Ref	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCO.	
503 Svc Coord	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCO.	
504 MCA Justification						R						0						*Required if flash/ flash override precedence is requested.	
505 Precedence Justification						C						0					R*		

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = O; not required = BLANK)

	STARTS/REWARDS				CHANGES				DISCONTINUE				COMMENTS
	TEMPORARY DEVELOPMENTAL				AMEND REHOME				CANCEL				
	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	NON-DCS	DCS	
	DDN	DDN	DDN	DDN	DDN	DDN	DDN	DDN	DDN	DDN	DDN	DDN	
506 Abbrev Dial Justification	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCO.
507 Conf Svc Justification	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCG.
508 Offhook Svc	0	0	0	0	0	0	0	0	0	0	0	0	Applicable to inputs to TCO.
509 Future													
510 Fund TCO Approval	0	0	0	0	0	0	0	0	0	0	0	0	
511 Future													
512 DCS/Non-DCS Approval	R*	R*	R*	R*	C	0	0	0	0	0	0	0	*Required when item No. 432 submitted or DoD Agency requests non-DCS circuits in item No. 431.

TSR ITEM SUBMISSION MATRIX (CONT.)
(Item required = R; item optional = 0; not required = BLANK)

	STARTS/REWARDS			CHANGES			DISCONTINUE			COMMENTS	
	TEMPORARY DEVELOPMENTAL			AMEND REHOME			CANCEL				
	NON- DCS	DCS	DSN	NON- DCS	DCS	DSN	NON- DCS	DCS	DSN		
	DCS	DED	SEVOCOM	DIN	DDN	DCS	DED	SEVOCOM	DIN	DDN	
513	AMPE Approval			0		0					
514	RFS No.	0	0	0	0	R	0	0	0	0	R
515	FCC REG No.	0	0	0			0	0	0		
516	FCC Ring EQ No.	0	0	0			0	0	0		
517	FCC SVC CODE	0	0	0			0	0	0		
518	FCC FAC ID & PORT CLASS	0	0	0			0	0	0		

TSR TO TSO CONVERSION BY ITEM NUMBER

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>TSR Item</u>	<u>TSO Paragraph</u>
101	2N	119B	5_*
102	2B	119C	2U01
103	2C	119D	2U02
		119E	2U03
104	5_*	120(ABC-)	2E(1) (2) (3) etc. and appropriate par. 3_
105	5_*		
106A	2D (first date)		
106B	5_*	121(ABC-)	2E(1) (2) (3) etc. and appropriate par. 3_
107	2A		
108	2A (2nd and 3rd characters)		
109	2F **	122(ABC-)	2E(1) (2) (3) etc. and appropriate par. 3_
110	2G		
111	2I	123(ABC-)	2E(1) (2) (3) etc. and appropriate par. 3_
112	2K		
113	5_*	124(ABC-)	3_*
114	2D (second date)	125(ABC-)	3_1_
115	2L	126(ABC-)	3_1_
116	5_*	127(ABC-)	2J
117	2R or 5_	128(ABC-)	3_1_*
118	5_*(if yes)	129(ABC-)	3_1_*
119A	2T		

*See supplement 10.

**Convert to parameter code from table 2, DCAC 310-130-1, and follow with item number from TSR item 109.

TSR TO TSO CONVERSION BY ITEM NUMBER (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>TSR Item</u>	<u>TSO Paragraph</u>
130(ABC-)	2E and 3_*	210	Not used
131(ABC-)	3_*	211	Not used
132(ABC-)	3_	212	6F
133(ABC-)	3_2B	213	6G
134(ABC-)	3_2B	214	6L
135(ABC-)	3_2B	215	6R
136(ABC-)	3_2B	216	6K
137(ABC-)	3_2B	217	6U
138(ABC-)	3_2C	218	Not used
139(ABC-)	3_1_*	219	6M
140(ABC-)	3_1_*	220	6V
151	2AA	221	6H
152	2AB	222	6I
201	6A	223	6W
202	5_*	224	6N
203	5_*	225	6D
204	5_*	226	6E
205	5_*	227	Not used
206	5_*	228	5_*
207	5_*	229	6P
208	6B		
209	6C		

*See supplement 10.

TSR TO TSO CONVERSION BY ITEM NUMBER (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>TSR Item</u>	<u>TSO Paragraph</u>
230	5_*	310	5_*
231	6Y	311	5_*
232	Not used	312	5_*
233	6X	313-321	6N (7N)
234	6Z	322	6K (7K)
235	6AA	323	6L (7L)
236	6AB	324	Not Used
237	6AC	325	Not Used
238	6AD	326	Not Used
239A	N/A	327	Not Used
239B	N/A	328	6R (7R)
239C	N/A	329	Not Used
240	6AE	330	5_*
241	6AF	331	6F (7F)
301	6A (7A)	332	6I (7I)
302	6C (7C)	333	5
303	6D (7D)	334	A/E Records
304	6E (7E)	335	6S (7S)
305	6G (7G)	336	6T (7T)
306	6B (7B)	337-339	6N (7N)
307	Not Used	340	6U (7U)
308	Not Used		
309	Not Used		

*See supplement 10.

TSR TO TSO CONVERSION BY ITEM NUMBER (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>TSR Item</u>	<u>TSO Paragraph</u>
341	6V (7V)	361	Not Used
342	6W (7W)	362	6K (8K)
343	6X (7X)	363	6L (8L)
344	Not used	364	6M (8M)
345	6Y (7Y)	365	6N (8N)
346	6Z (7Z)	366	6O (8O)
347	6AA (7AA)	367	6P (8P)
348	5_*	368	6Q (8Q)
349	6H(7H)	369-400	Not Used
350	5_*	401	1A
351	5_*	402	5_*
352	6A(8A)	403	A/E Records
353	6B(8B)	404(ABC-)	3_1_
354	Not Used	405	5_*
355	6D(8D)	406	5_*
356	6E(8E)	407(ABC-)	3_1_*
357	6F(8F)	408	5_*
358	6G (8G)	409	2H/5_*
359	Not Used	410_	3_*
360	Not Used	411	5_*
		412	5_*

*See supplement 10.

TSR TO TSO CONVERSION BY ITEM NUMBER (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>TSR Item</u>	<u>TSO Paragraph</u>
413	5_*	433(ABC-)	3_1_*
414	5_*	434(ABC-)	3_1_*
415A	1C	435	Not Used
415B	5_	436	5_*
416	5_*	437(ABC-)	3_1_
417	5_*	438(ABC-)	3_1_
418	5_*	439	5_*
419	Not Used	440(ABC-)	3_1_*
420	5_*	441	5_*
		442	5_*
		443-500	Not used
421	5_*	501-508	A/E Records*
		509	Not used
422	5_*	510	5_*
423	5_*	511	Not used
424	5_*	512	5_*
425	1B*	513	7Q
426	5_*	514	5_*
427	5_*	515	3_1_
428	5_*	516	3_1_
429	5_*	517	3_1_
430	5_*	518	3_1_
431	2Y		
432	2Z		

TSO PARAGRAPH HEADINGS

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>Generated Headings Followed by Data From Item</u>
104	5_	SVC APPLIES TO:
105	5_	NETWORK SVC:
106B	5_	COMMERCIAL/GFE DATE:
113	5_	CALLUP AUTH:
116	5_	CCCI/CSA:
117	5_	DTN SP CHNL PDC:
118	5_	#51 (data)
119B	5_	AVOID CCCI/CSA:
124_	3_(line 2, CC 5-9)	ADDRESS/DIRECTIONS:
125_	3_(line 2, CC 21-26)	RM/FL:
128_	3_1_	INTERFACE:*
129_	3_1_(following data moved from item 126)	TERM:
130_	3_(line 3, CC 5-12)	CONTACT:
131_	3_(line 4, CC 5-12)	MAIL ADDRESS:
139_	3_1_	NPA/NNX:
140_	3_1_	UNIT ID:
202-207	5_	DIRECTORY INFO:**
202	5_	SUBSCRIB LISTING:
203	5_	DIRECTORY LISTING:
204	5_	TITLE:
205	5_	UNIT/ATTN LINE:

*Header generated even if item 128 not received.

**Followed by data from each item with individual headings.

TSO PARAGRAPH HEADINGS (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>Generated Headings Followed by Data From Item</u>
206	5_	LOCATION:
207	5_	SC/ZIP/APO/FPO:
228	5_	SVCOM MAINT AGCY:
230	5_	COMSEC ACCT NR:
310	5_	EQUIPMENT CODE:
311	5_	OPERATING PERIOD:
312	5_	AUTODIN MERL NBR:
330	5_	COLLECTIVE RI'S:
333	5_	PLATEN SIZE:
348	5_	MATSYMS SUPPORT:
350	5_	TI LINE OPTION:
351	5_	EM CAPABILITY:
402	5_	TSR CONTACT:
404_	3_1_	UNIQUE INST FACT:

TSO PARAGRAPH HEADINGS (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>Generated Headings Followed by Data From Item</u>
405	5_	DOD ADPE PRO APL:
406	5_	JUST FOR OTFAOC:
407_	3_1_	EQUIP TO ACQUIRE:
408	5_	SATELLITE OBJECTION:
409	5_	#25
410_	3_(line 5, CC 5-12)	DEMARK:
411	5_	SEC RQMT ACCESS:
412	5_	ACTY REC PRG RPT:
413	5_	O/S SHIPPING INS:
414	5_	CA:
415A	1C	DCA Control Number
415B	5_	#36 (data)
416	5_	COST THRESHOLD:
417	5_	REMARKS:
418	5_	#62 (data)
420	5_	ACTY VLD MSD CHG:
421	5_	#64 (data)
422	5_	#65 (data)
423	5_	#41 (data) (if yes and call- up authority is specified) or #42 (if yes and callup authority is not specified)

TSO PARAGRAPH HEADINGS (CON.)

<u>TSR Item</u>	<u>TSO Paragraph</u>	<u>Generated Headings Followed by Data From Item</u>
424	5_	ALLA NBR-RP:
425	1B	#11 (data)
426	5_	BIT ERROR RATE:
427	5_	EQUIPMENT OPTIONS:
428	5_	#68 (if yes)
429	5_	CKT SPECIFICATIONS:
430	5_	EST SVC LIFE:
433	3_1_	REMOVE LEASE EQP:
434	3_1_	RELOC LEASE EQP:
436	5_	WATS SERVICE:
437	3_	INSIDE WIRE INSTL/MAINT:
439	5_	BILLING CSA:
440	3_1_	COM'L ACCESS:
441	5_	LEASE/BUY ANALYSIS:
442	5_	EQUIP MAINT:
510	5_	FUNDING TCO APL:
512	5_	NON-DCS APPROVAL:
514	5_	RFS NO:
515	3_1_	FCC REG:
516	3_1_	FCC REN:
517	3_1_	SVC CODE:
518	3_1_	FACT INF PCI:

NATIONAL SECURITY EMERGENCY
PREPAREDNESS (NSEP) TSR PROCEDURES

1. Procedures.

a. Identification. The first step before preparing the Telecommunications Service Request (TSR) is to determine whether the telecommunications service requirement qualifies as NSEP. Two specific categories of telecommunication services or circuits which are eligible for designation as NSEP have been identified. These categories and the applicable criteria are specified in paragraphs (1) and (2) below.

(1) Emergency NSEP Telecommunication Service Requirements. The most important telecommunication service requirements that can be identified as NSEP are those which qualify as emergency. These services are so critical as to be required at the earliest possible time, without regard to the associated costs of obtaining the service. Emergency NSEP telecommunication service requirements include:

(a) A telecommunications service directly supporting Federal Government activity responding to a Presidentially declared disaster or emergency as defined in the Disaster Relief Act (42 U.S.C. 5122).

(b) A telecommunications service directly resulting from any of the following circumstances:

1. State of crisis declared by the National Command Authorities.

2. Efforts to protect endangered U.S. personnel or property.

3. Enemy action, civil disturbance, natural disaster, or any other unpredictable occurrence that has damaged facilities whose uninterrupted operation is essential to national security emergency preparedness or the management of other ongoing crises.

4. Certification by the head or director of a Federal agency, commander of a unified or specified command, chief of a military service, or commander of a major military command, that a telecommunications service is so critical to protection of life and property or to the national security that it must be processed immediately.

(2) Essential NSEP Telecommunication Service Requirements. There are other telecommunication service requirements which are essential to NSEP. When not otherwise qualifying as Emergency NSEP, Essential NSEP telecommunication service requirements include:

(a) Restoration Priority Telecommunication Services. Telecommunication services assigned a NCS/FCC approved restoration priority (RP) 1-4 or which are eligible for assignment of an NCS/FCC restoration priority (RP) 1-4.

(b) Exercise Telecommunication Services. The following exercise telecommunication services may be designated NSEP:

1. The minimum quantity of services essential to permit safe conduct of an exercise or achievement of primary exercise objectives or both. Only those services in support of exercises which involve the movement of personnel, weapons systems, munitions, or other critical materials or the control of aircraft are included.

2. Short-notice exercise services resulting from changes in exercise locations or scenarios which could not reasonably have been foreseen, and without which the exercise cannot be conducted safely or effectively.

(c) Special Purpose Telecommunication Services. The following special purpose telecommunication services may be designated NSEP:

1. Telecommunication services in support of activities conducted pursuant to the Foreign Intelligence Surveillance Act.

2. Telecommunication services in support of the President or Vice President.

3. Telecommunication services in direct support of the conduct of foreign affairs (i.e., visiting foreign heads of state or similar dignitaries, permanent diplomatic and consular missions in the U.S., and significant international conferences, meetings, or events held in the U.S.) as certified by the Secretary of State.

(3) Responsibilities.

(a) The user requesting service has the initial responsibility for identifying a telecommunications service as NSEP. If a user does not identify a service requirement as NSEP, intermediate or higher levels in the user's organizational structure may intervene and provide the designation. Individual Telecommunications Certification Offices (TCO's) should develop and implement internal procedures in compliance with this supplement.

(b) The TCO identifying a telecommunications service requirement as NSEP should do so at the earliest possible time. The identification should normally be in writing and be included in the TSR.

1. To identify and justify a telecommunications service requirement as NSEP, the TCO will include the following statement in TSR paragraph 417:

"This (service/circuit) qualifies for treatment as (Emergency/Essential) NSEP in accordance with (insert reference to applicable criteria)."

2. When NSEP telecommunications procedures are invoked, the TCO will also add the words "EMERGENCY NSEP" or "ESSENTIAL NSEP" one space after the end of the TSR number in paragraph 101 of the TSR.

(c) Emergency NSEP requirements may be orally identified to the appropriate DCA Allocation and Engineering (A&E)/DECCO action agency as specified in chapter 4. Written TSR confirmation of the identification will be provided within 48 hours.

(d) All service requests and orders (e.g., RFS, TSR, TSO) identifying a telecommunications service requirement as Emergency/Essential NSEP will, in addition to the normal addressees, include the National Coordinating Center (NCC) as an information addressee. The message address to be used is:

MGR NCS WASH DC//NCS-NCC//

b. Invocation. The second step in NSEP telecommunications procedures is their invocation by a properly authorized official of the Federal Government after an assessment of all facts associated with the telecommunications service requirement (e.g., the type of service, the exigency of the situation), and the NSEP category applicable to the service being requested. The exercise of good judgment and a familiarity with NSEP procedures are essential components of the decision-making process.

(1) Emergency NSEP Telecommunication Requirements

(a) Emergency telecommunication service requirements, as defined in paragraph 1a(1) are the most important. When an Emergency NSEP telecommunications service requirement has been identified, NSEP telecommunications procedures must be invoked as soon as possible by the head or director of a Federal agency, commander of a unified or specified command, chief of military service, or commander of a major military command. This authority should be carefully exercised, and may be delegated only to a general or flag officer, the equivalent civilian level (e.g., Senior Executive Service), or a duly authorized Federal coordinating officer or Federal emergency communications coordinator. All organizations delegating the authority to invoke NSEP telecommunications procedures shall provide a copy of such delegation to:

Manager, National Communications System Attention: NCS-A
Washington, DC 20305-2010

(b) The TSR must state that it is for an Emergency NSEP telecommunications service requirement and NSEP telecommunications procedures are being invoked. This statement and declaration should be contained in paragraph 417 of the TSR. The TCO will submit Emergency NSEP TSR's to the appropriate DCA A&E/DECCO action agency by the most expeditious means available. Emergency NSEP TSR's submitted to DCAOC AED (IAW instructions contained in chapter 4) will be sent via AUTODIN, operational immediate.

(c) Emergency NSEP requirements may be provided orally if time precludes the preparation of the TSR. Subsequent written TSR confirmation (in the format and detail prescribed in chapter 3) must be submitted within 48 hours in support of an oral Emergency NSEP requirement and must indicate that the request had previously been forwarded orally and that it was in support of an emergency. Verbal Emergency NSEP requirements will be directed to the DCA A&E Activity/DECCO during normal duty hours and to the NCS/DCAOC after normal duty hours.

(d) If the DCA A&E Activity/DECCO or NCS/DCAOC activity cannot be contacted, the TCO may place an order for Emergency NSEP telecommunications service(s) directly with the service vendor. The TCO must confirm such action by submission of a TSR record copy, with complete documentation of actions taken, to the appropriate DCA A&E/DECCO action agency within 48 hours. When an emergency NSEP service order has been verbally provided to the vendor and the order has been accepted for action, do not again verbally submit the service requirement to the DCA action agency since this could result in unnecessary confusion. A record TSR copy will suffice.

(e) Each TSR for telecommunications service(s) in support of an emergency must identify (in paragraph 417) the name, rank or title, organization, and telephone number of the individual who has invoked NSEP telecommunications procedures. Such a TSR must also authorize (in paragraph 118) the expenditure of any overtime or expediting charges that may be incurred by the vendor in providing the service(s), as necessary and to the extent provided for by applicable tariff, contract, or as otherwise agreed.

(f) The identification of a telecommunications service requirement as Emergency NSEP and the invocation of NSEP telecommunications procedures to satisfy such a service requirement result in a vendor taking those actions necessary to provide the service as soon as possible. Users must be prepared to accept Emergency NSEP telecommunications services as soon as they are provided by the vendor.

(2) Essential NSEP Telecommunication Service Requirements.

(a) NSEP telecommunications procedures may also be invoked by the head or director of a Federal agency, commander of a unified or specified command, chief of a military service, or commander of a major military command to obtain Essential NSEP telecommunication service requirements. This authority must also be carefully exercised and may be delegated only to a general or flag officer or equivalent civilian level (i.e., Senior Executive Service). All organizations delegating the authority to invoke NSEP telecommunications procedures shall provide a copy of such delegation to the:

Manager, National Communications System Attention: NCS-A
Washington, DC 20305-2010.

(b) The invocation of NSEP telecommunications procedures to obtain Essential NSEP telecommunication service requirements normally will not occur until after a service date has been quoted by a vendor and determined by the user or TCO to be unsatisfactory. The user or TCO should, at that time, explore and exhaust alternative approaches (e.g., escalation within the vendor organization, other vendors) to obtaining the service when required. Thereafter, a properly authorized Federal Government official may, if the service falls within one of the Essential NSEP categories (defined in paragraph 1a(2)) invoke NSEP telecommunications procedures to obtain the service when required. In instances where the user or TCO knows that the service cannot be provided when required, and the service qualifies for noncompetitive acquisition, a properly authorized Federal Government official may invoke NSEP telecommunications procedures in the initial TSR to ensure that the vendor(s) will make those efforts necessary to provide the service when required.

(c) The invocation of NSEP telecommunications procedures to obtain Essential NSEP telecommunication service requirements normally should be done in writing (e.g., an amended TSR). In exigent circumstances, oral invocation may be provided but written TSR confirmation must be provided within 48 hours to the appropriate DCA/DECCO action agency. All invocations of Essential NSEP telecommunications procedures must also identify (in TSR paragraph 417) the name, rank or title, organization, and telephone number of the individual invoking NSEP telecommunications procedures. Authorization for the expenditure of any overtime or expediting charges that may be incurred must also be provided (in TSR paragraph 118). If a dollar amount above \$500 is anticipated, the maximum amount allowable may be included.

(d) Essential NSEP telecommunication service requirements for which NSEP telecommunications procedures are invoked normally will be activated by the vendor with less than normal leadtime (interval). Users must ensure the availability of any Government-furnished terminal equipment and be prepared to accept the service at the time requested.

(3) Notification.

(a) All TSR's and TSR amendments in which NSEP telecommunications procedures are invoked will, in addition to the normal addressees, include the National Coordinating Center (NCC) as an information addressee. The message address to be used is:

MGR NCS WASH DC//NCS-NCC//

(b) While this notification is primarily the responsibility of the TCO, the adding of the NCC to the message may be done at any organizational level in the processing chain. Notification to the NCC does not alter the obligation to invoke NSEP telecommunications procedures through the proper contractual channels.

(c) Under no circumstances should Government or industry action in response to the invocation of NSEP telecommunications procedures be delayed while waiting for the notification to the NCC. The purpose of this dual notification is to provide responsible NCC officials and industry organizations represented in the NCC notice of the invocation of NSEP telecommunications procedures if their action is subsequently warranted.

c. Verification. The third step in NSEP telecommunications procedures is verification that the telecommunications service was properly identified as NSEP or that NSEP telecommunications procedures were properly invoked or both. This may involve an assessment of the service being requested in light of applicable NSEP criteria, how and by whom NSEP telecommunications procedures were invoked, and any other relevant facts associated with the requirement. Verification is not a mandatory requirement for the processing of an NSEP telecommunications service requirement.

(1) Any Government (e.g., TCO, contracting officer, Government operations center, Manager-NCC) or industry entity (e.g., sales or management representative) may request verification that a telecommunications service was properly identified as NSEP or that NSEP telecommunications procedures were properly invoked or both. Such a request may be made at any time during the processing of an NSEP telecommunications service requirement.

(2) Verification requests may be oral or written. If the request is made before a TSR or service order has been transmitted to the service vendor, the request for verification should be directed to the TCO. If a service order has been transmitted to the service vendor, requests for verification should be directed to DECCO. If the entity requesting verification is unable to obtain it from the TCO or DECCO, or if further verification is desired, a request for verification may be escalated to the National Coordinating Center. The telephone numbers, message address, and mailing address for the NCC are, respectively:

(a) Telephone: (202) 746-1300 (commercial) 286-1300
(AUTOVON). If no answer call (202) 692-2714 (commercial) or 222-2714
(AUTOVON).

(b) ITT TELEX: 440039 NCSOC UI

(c) Message Address: MGR NCS WASH DC
//NCS-NCC//

(d) Mailing Address:
National Coordinating Center
ATTN: Manager
Washington, DC 20305-2010

(e) FAX (manual): (202) 746-1278/1279
(commercial/FTS)
286-1278/1279 (AUTOVON)

(3) Responses to verification requests may be oral or written. The responding office must keep a written record indicating the source and date of the request and the response provided.

(4) The processing of Emergency NSEP requirements will not be delayed for verification purposes.

d. Implementation. The fourth step in NSEP telecommunications procedures is the provisioning of NSEP telecommunications service(s). This involves action(s) by both Government and industry entities.

(1) Government.

(a) Government users and intermediate or higher levels in the user's organizational structure have a continuing responsibility to develop and implement internal procedures to ensure only those telecommunication service requirements qualifying as NSEP are identified as such, and that NSEP telecommunications procedures are properly invoked. Copies of all internal procedures developed to implement these guidelines will be provided to:

Manager, National Communications System Attention: NCS-A
Washington, DC 20305-2010

(b) If NSEP telecommunications procedures are invoked, Government users must:

1. Be prepared to accept Emergency NSEP services as soon as they are provided by the vendor.

2. Be prepared to accept Essential NSEP services at the time requested.

3. Have sufficient funds available to pay all additional costs incurred by the vendor for which the user is responsible.

(c) If NSEP telecommunications procedures are invoked, Government contracting activities or the NCC or both, as appropriate, have a continuing responsibility to ensure pertinent status information is provided to the TCO or the user, as appropriate.

(2) Industry. Joint industry-Government cooperative action is essential to the fully effective implementation of NSEP telecommunications procedures. Accordingly, if NSEP telecommunications procedures are invoked, the vendor or vendors holding the contract(s) have a continuing responsibility to ensure pertinent status information is provided to the Government contracting entities or the NCC or both, as appropriate.

(3) The National Coordinating Center. The industry and Government entities represented in the NCC will perform or contribute to the performance of the telecommunications functions specified in the NCC Operating Charter, 9 October 1985.

Initially, users should not seek assistance from the NCC to obtain NSEP telecommunications service(s). Users should first seek assistance through existing "normal" contacts within a service vendor, and through escalation within the organizational structure of a service vendor. NCC assistance normally should be sought only after alternative approaches have been explored and exhausted.

(4) Conflict Resolution. Conflicts may arise regarding the provisioning of multiple NSEP telecommunication service requirements. In such circumstances, any affected Government or industry entity may bring the matter to the attention of the NCC. Conflicts which cannot be resolved by the NCC will be referred to the Manager, NCS or the Joint Telecommunications Resources Board (see Executive Order No. 12472, section 2(b)(3)), as appropriate, for resolution. Determination(s) of relative priorities will be made in coordination with the affected entities.

2. Special Considerations.

a. Identification of a telecommunications service requirement as NSEP or the invocation of NSEP telecommunications procedures, does not in itself justify noncompetitive acquisition. The facts which qualify a telecommunications service for designation as NSEP may be separately employed, however, as part of a justification for noncompetitive acquisition.

b. The Federal Communications Commission (FCC) has granted AT&T and the Bell Operating Companies (BOC's) a waiver of the Computer Inquiry II decisions to permit them to be responsible for end-to-end service (facilities and customer-premise equipment) for new requirements and amendments or changes to service on 21 specified command and control communications systems and emergency telecommunication service requirements provided to the Federal Government. The waiver applies only to AT&T and the BOC's. The NSEP guidelines specified in this supplement, however, apply to NSEP telecommunications acquired from any industry entity. Telecommunications services acquired from AT&T or the BOC's under the waiver are NSEP, and must be treated in accordance with the procedures specified in this supplement. However, there are many NSEP telecommunications services other than those that are acquired from AT&T or the BOC's under the waiver. All FCC licensed carriers are eligible for selection to provide NSEP telecommunications services. The waiver may not be interpreted as requiring that all NSEP telecommunications services be acquired from AT&T or the BOC's.

c. Part 68 of the FCC's Rules & Regulations (47 CFR 68) prescribes uniform standards for the registration of telephone equipment intended to be directly connected to the Public Switched Telephone Network or to specified private line telecommunication services. To meet the needs of national defense and security, the FCC has established an exemption to part 68 which allows certain Federal agencies to connect unregistered equipment or security devices to any facilities provided by a telephone company if certain conditions are satisfied (47 CFR 68.2(e)).

The identification of a telecommunications service requirement as NSEP, or the invocation of NSEP telecommunications procedures to satisfy the service requirement, does not relieve the user or the vendor of the responsibility for complying with the applicable provisions of part 68. If necessary, the NSEP telecommunications procedures, and the NSEP waiver of part 68, may both be employed to satisfy the same service requirement. In such circumstances, the applicable procedures governing both separate processes must be followed.

d. The sovereignty of foreign nations limits the mandatory application of NSEP telecommunications procedures to the U.S. half-circuit segments and U.S. tail (extension) segments of an international telecommunications service. The identification of an international telecommunications service requirement as NSEP, or the invocation of NSEP telecommunications procedures to satisfy that service requirement, may not be recognized by the foreign entity responsible for providing the foreign portions of the service.

e. NSEP telecommunications procedures are not to be employed to overcome inadequate advance planning. Invoking NSEP telecommunications procedures to overcome inadequate planning will cause adverse reaction by industry and could result in adverse regulatory or judicial action. The exercise of good judgment and a familiarity with NSEP procedures are of utmost importance at all times. Accordingly, unless the telecommunications service requirement otherwise qualifies as Emergency NSEP, NSEP telecommunications procedures will not be invoked in the following circumstances:

(1) To make up for time lost as a result of inadequate advance planning.

(2) To activate service(s) for which required Government-furnished modems, encryption equipment, or other terminal equipment is not or will not be available.

(3) To relocate or rearrange existing service(s) (e.g., internal organizational moves) unless essential to support the start of a new NSEP telecommunications service requirement.

(4) To disconnect existing services unless essential to support the start of a new NSEP telecommunications service requirement.

(5) To obtain the U.S. half-circuit segments or the U.S. tail (extension) segments of an international telecommunications service for which the foreign half-circuit segments or the foreign tail (extension) segments are not or will not be available.

f. NSEP requirements will be processed by the DCA A&E/DECCO action agency in the following order: (1) Invoked Emergency NSEP; (2) Invoked Essential NSEP; (3) Qualifying Essential NSEP; (4) Routine.